

Lawrence Livermore Laboratory

BIBLIOGRAPHY OF FLYWHEEL ENERGY STORAGE SYSTEMS

E. A. Henry, K. W. Johnson, F. E. McMurphy, and T. M. Quick

September 30, 1977

DISTRIBUTION STATEMENT A

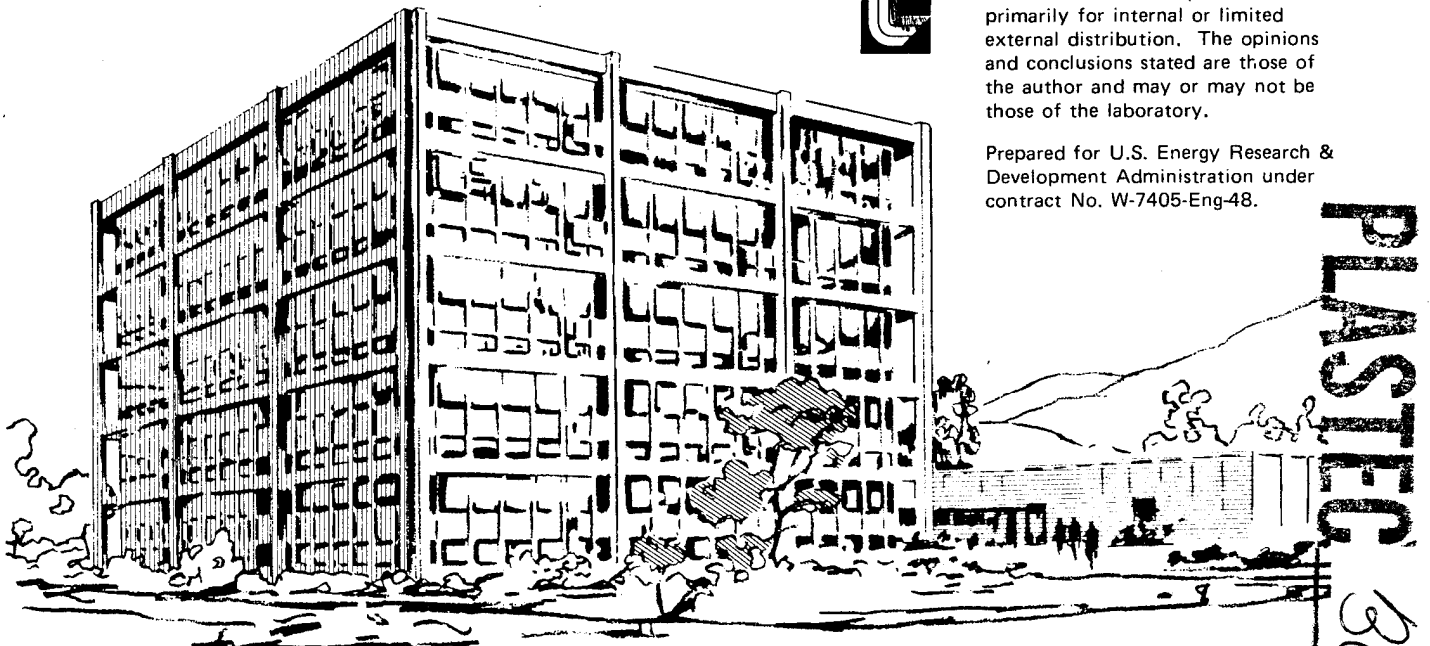
Approved for public release
Distribution Unlimited

This preliminary bibliography has been prepared for distribution at the 1977 Flywheel Technology Symposium in San Francisco, California, October 5-7, 1977.



This is an informal report intended primarily for internal or limited external distribution. The opinions and conclusions stated are those of the author and may or may not be those of the laboratory.

Prepared for U.S. Energy Research & Development Administration under contract No. W-7405-Eng-48.



19951214 039

DEPARTMENT OF DEFENSE
PLASTICS TECHNICAL EVALUATION CENTER
ARRADCOM, DOVER, N. J. 07804

PLASTEC
30064

Foreword

The Data Management Research Project in the Computation Department of the Lawrence Livermore Laboratory (LLL/DMRP) has the responsibility to advance the state of the art in the efficient use of information and data by machine. We distinguish two main activities: First, we provide support to LLL and ERDA in programs that deal with the prime mission of our Laboratory and with energy and environmentally related research and development. Second, we design and implement data base management techniques to permit a more effective use of the growing requirements for data by administrators, engineers and scientists who are not computer programmers.

One of the most challenging projects undergoing development by the staff of LLL/DMRP is the creation of an *Integrated Information System (IIS)* for the rapidly expanding import of energy storage. This project, under contract to the Energy Storage Division of the U.S. Energy Research and Development Administration (ERDA/STOR), is to provide a user-oriented data base and technical/management information system by interactive access to accurate and up-to-date: Material properties and their supporting bibliographies, storage technology characterization data, energy storage systems data, and models for decision analysis. Preparations are under way to aggregate these technical and administrative data bases on a PDP-11/70 computer at LLL, accessible over the ARPAnet and by telephone dialup. Contract No. E(49-1)-3835.

This bibliography on the properties and the mechanics of fiber composites, matrix materials, and on flywheel energy storage systems is one of a series of timely references to the world literature:

1. *Flywheels & Fiber Composites*
2. *Molten Salt Electrolytes*
3. *Thermal Energy Storage Materials*
4. *Aqueous Electrolytes*
5. *Hydrogen Energy Storage Materials*

The present *Flywheel Bibliography* is a preliminary edition issued especially for the 1977 Flywheel Technology Symposium in San Francisco, California, October 5-7. We hope that any missing citations, or comments in general, will be brought to our attention in time for a more complete edition to be published for the forthcoming Second International Conference on Composite Materials (ICCM-II) to be held in Toronto, Canada, April 16-18, 1978.

The bibliographic data bases are the precursors to numerical data bases of material properties. These are being created at LLL in parallel with data that is evaluated by nationally recognized evaluation centers under auspices of the Office of Standard Reference Data of the National Bureau of Standards, and administrative leadership by Dr. Lew Gevantman.

In the future, these data bases will be made accessible over the ARPAnet and by telephone dialup, as indicated earlier. At that time, the time lag necessarily associated with a printed rendition will be shortened considerably.

The ERDA Division of Energy Storage Systems is directed by Dr. George F. Pezdirtz. The contract of our work is being administered by Dr. Lynne Holt of the Applications Analysis Branch. The *Flywheel Bibliography* has been prepared in particular to provide the Advanced Physical Systems Branch, under Dr. George Chang, with a useful reference guide to ongoing research in the field.¹⁻⁴

Viktor E. Hampel, Leader
Data Management Research Project
Computation Department
Lawrence Livermore Laboratory
P.O.Box 808, Mail Stop: L-316
Livermore, California, 94550
Tel.: (415) 447-1100 Ext. 4061
FTS 457-4061

Introduction

A rotating wheel contains stored mechanical energy and, if connected to an engine or machine, acts as a "flywheel" to smooth out speed variations by alternately absorbing or delivering energy as its speed is increased or decreased by the machine. The principle is probably as old as the wheel itself, and is used in the ancient potter's wheel, in steam and gasoline engines, and in large equipment such as a dragline shovel.

To achieve increased energy concentration, flywheels would need to operate at high speeds that generate tremendous centrifugal force. To reduce the possibility of accidents, recent attempts to design high capacity flywheels (for load-leveling and other applications) have concentrated on super-strong material and safety designs.

The illustration below shows a flywheel powered passenger bus built in Switzerland. Electrical energy, drawn from trolley wires at periodic stops, speeds up the large internal flywheel to store the energy needed to operate the bus at other times. Similar buses - actually large-scale versions of the familiar child's toy - are being developed for use in San Francisco, and the idea is being tested for subway cars in New York City.

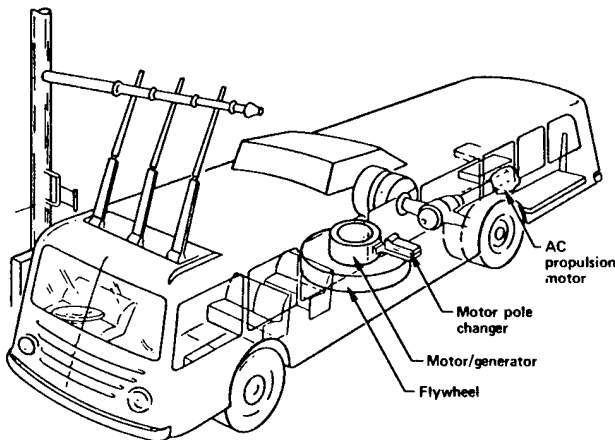


Figure 1:

The first commercial vehicular use for a flywheel was a gyrobus that was used both in Switzerland and the Belgian Congo. Basically, the gyrobus drew electric power from an overhead pole to spin up a flywheel. In turn, the flywheel drove a generator that powered the road wheel motors. The "refuelling" poles were spaced about a half-mile apart, and the bus was required to stop at each pole. The vehicle itself was 35 feet long, weighed 24,000 pounds, and was designed for 35 seated and 35 standing passengers.¹

Dist	Avail and/or Special
A-1	

The amount of mechanical (or kinetic) energy that can be stored in a rotating wheel depends, of course, on its weight and the square of its speed of rotation. To stretch the limits of energy stored, problems of air- and bearing-friction have to be overcome, and new materials tested that would withstand the large centrifugal forces and depreciation of material properties as a result of fatigue from prolonged operation.

Considerable progress has been made in recent years in the design of flywheel applications and of advanced fiber composites and matrix materials to render this method of energy storage safe and cost-effective. One design of interest is the fanned brush that uses long thin fibres of various materials, such as steel wires, fiber glass, and other filaments, that have unusually high-strength properties in the long direction. Other designs are based on concentric rings of strong fiber composites separated by small gaps filled with bonded resilient material. This minimizes radial stress that tends to cause the wheel to fail at high speeds.

The advantages of these "*superflywheels*" for storage of electric energy are that they are 70%-80% efficient and could be placed conveniently close to points of heavy load demand. A proposed design of a large load-leveling flywheel unit is shown in Figure 2.

Clearly, as this field of energy storage is expanding, new and highly sophisticated hybrid systems are starting to evolve in competition with other contemporary techniques: Batteries, compressed air, magnetic and hydrogen-based systems, in addition to perhaps more conventional modes like thermal storage and the load-leveling of hydroelectric power generation.

This preliminary publication of the *Flywheel Bibliography* is meant, therefore, to provide a reasonably up-to-date survey of this specific field of the literature that is rapidly expanding. Figure 3.

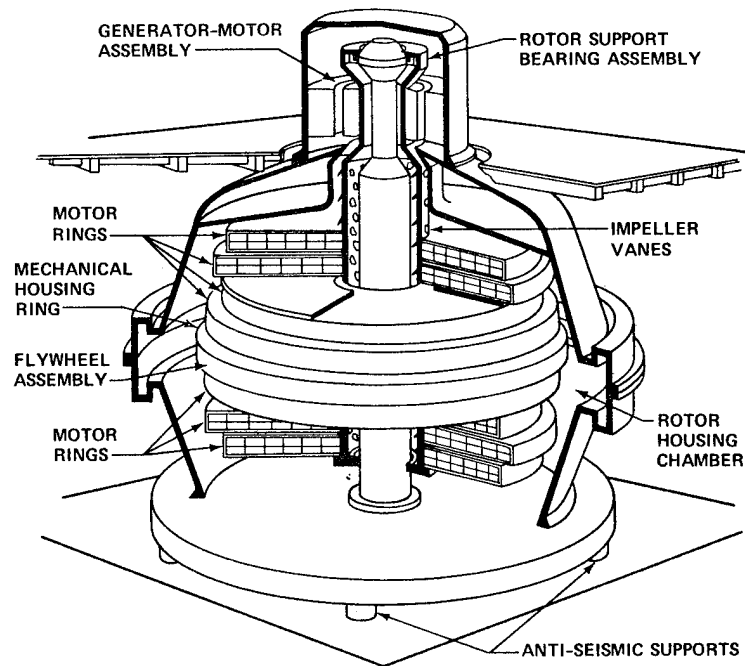


Figure 2:

This peak power unit would store energy from an electric power plant during off-peak hours and would generate energy at times of peak load. The fiber composite flywheel would be about 15 feet in diameter and weigh about 200 tons. It would be coupled to a generator-motor that would function as a motor when the flywheel was being spun up to store energy and as a generator when the system was drawing on the flywheel's stored energy. ¹

Figure 3: Number of Publications Used in the Preliminary Edition of the *Flywheel Bibliography* as a function of Time:

1959	-	1	
1960	-	-	1
1961	-	1	
1962	-	-	
1963	-	5	
1964	-	6	
1965	-	4	16
1966	-	6	
1967	-	14	
1968	-	8	
1969	-	13	
1970	-	21	62
1971	-	28	
1972	-	35	
1973	-	37	
1974	-	90	
1975	-	80	270
1976	-	35 (through July, 1976)	

The publication peaks are shown to occur fortuitously in 1974 and 1975. This is characteristic of most bibliographies. It indicates merely the time lag before relevant publications appear in the computerized data banks of secondary references to the world literature.* We are making provisions to shorten this inadvertent delay when our on-line data banks become operational, as part of the *Integrated Information System*.⁸

Detailed Description

The main body of the report consists of two parts:
The *Concordance* and *Main Listing*.

The Concordance, Part-1

The concordance is an alphabetic listing of the following information elements:

- * *Essential expressions from titles*
- * *Authors from single and multiple author lists*
- * *Organizations and corporate authors*
- * *Keywords and Keyphrases*

Non-essential expressions derived by computer from titles were removed. Under each alphabetic listing of terms from the above information elements are five columns, describing each relevant citation from the left:

- * *Chronological date of publication*
- * *Title*
- * *Author(s)*
- * *Category number, as defined by us below*
- * *Citation number which links the Concordance with the main listing.*

* Refer, for example to the "MULTIPHOTON BIBLIOGRAPHY 1970-1976", UCRL-13728

The Main Bibliographic Listing, Part-2

We found it useful to establish six subject categories for the main bibliographic listing. Within each category, citations are shown in chronologically ascending order of their date of publication. Citation numbers which provide the link between the concordance and the main listing provide the main entry to the bibliographic listing and are in ascending order, encompassing all six categories:

<u>CATEGORY</u>	<u>SUBJECT</u>	<u>Citation Number</u>	<u>Number of Citations</u>
I	Properties of Flywheels	1- 59	59
II	Flywheels in Vehicles	60-137	78
III	Flywheels in Utilities	138-209	72
IV	Flywheels in Aircraft & Spacecraft	210-240	31
V	Overview of Energy Resources	241-253	13
VI	Fiber Composite Properties	254-382	129
			<hr/> 382

Each bibliographic citation in the main listing is appropriately categorized by its main subject heading at the top of each page. The citation number at the left is set apart for rapid scanning. Individual descriptive fields in each citation vary from case to case, depending upon the origin of each citation. Only fields containing information are shown. However, more information and data is contained in the computer data bank than that shown in this publication.

Some Aspects of Computerization

Citations for this *Flywheel Bibliography* have been derived from a search of the world literature, employing machine and manual scanning of sources shown in Table-I.

All citations and additional intelligence were keyboarded at LLL from the original documents, mostly government reports. The preliminary

version of the bibliography, as shown here, extends in time only through June, 1976. The more recent publications through December, 1977, will be added for the next addition to be published in April, 1978. Several aspects are noteworthy:

First, the printing of the bibliography represents a snapshot in time generated directly by machine in camera-ready form on a high-resolution camera of the FR-80 devices available at LLL. Standard commands for text manipulation of the MASTER CONTROL Data Base Management System were used to create this bibliography.⁵⁻⁷ Although we find that interactive lookup by computer provides an immediate and up-to-date insight into the state of a particular data base, we value the printed book that can be perused quickly and at liberty, even by those that do not have access to the computer system.

Second, a computer-based data bank lends itself readily to the identification of statistics. Some of these are shown in the tables below. Here we are very mindful that statistics on the number of publications by personal and corporate authors do not necessarily indicate relevance or the quality of the contributions, especially when the statistics are small - as is the case here. However, the interactive information systems, e.g. ERDA/RECON and others, do provide statistics as a byproduct of each search. In this sense we believe it appropriate to share with you some of the observations available to us on this bibliography:

FLYWHEEL PUBLICATIONS BY AUTHOR

D.W. Rabenhorst	16
L.J. Lawson	12
T.R. Schneider	5
A. Cormack	4
D.E. Lapedes	4
J. Meltzer	4
J.E. Notti	4
T.T. Chiao	3
G.L. Dugger	3
R.R. Gilbert	3
S.F. Post	3
H. Schreck	3
<i>etc.</i>	

FIBER COMPOSITES PUBLICATIONS BY AUTHOR

T.T. Chiao	57
E.M. Wu	25
R.M. Christensen	23
M.A. Hamstad	19
R.L. Moore	19
E.S. Jessop	8
R.H. Toland	8
L.S. Penn	5
H.A. Newey	5
L.L. Clements	4
W.G. Gottenberg	4
J.K. Lepper	4
etc.	

FLYWHEEL PUBLICATIONS BY CORPORATIONS

Lawrence Livermore Laboratory	17
Johns Hopkins University	11
Lockheed Missiles & Space Company	5
Electric Power Research Institute	4
Public Service Electric & Gas Company	4
Teldix Luftfahrt-Ausrüstungs G.m.B.H.	4
Aerospace Corporation	3
Hawker Siddeley Dynamics, Ltd.	3
etc.	

Third, we wish to emphasize the human aspects of a properly designed bibliography where the professional contribution of skilled reviewers is invaluable. By adding qualifying information in descriptive and numerical form to each citation of a computer-based data bank, we open a new domain for decision making.

Acknowledgement

The following have worked on this Flywheel Bibliography: *Viktor E. Hampel*, Principal Investigator for the project; *Terrence M. Quick*, Materials scientist and Project Leader; *Eugene E. Henry*, Physicist; *Frederick E. McMurphy*, chemist; *Keith W. Johnson*, physicist; *Barbara J. Mallon*, chemist; *Donna M. Chato*, computer programmer; and *Doris H. Ryon*, computer technician. The MASTER CONTROL program has readied for this production by *Robert W. Kuhn* and *Barbara Flusche*, computer scientists.

The assistance of *William E. Madden* of the LLL Technical Information Department, and the keyboarding by *Adele K. Larson* and her staff are gratefully acknowledged.

Additions, corrections and comments that would affect our future publications by making them useful and by disseminating them to those who need this information should be directed to:

Terrence M. Quick
Project Leader
ERDA/STOR Data Base Project
Data Management Research Group
Lawrence Livermore Laboratory
P.O.Box 808, Mail Stop L-316
Livermore, California, 94550
Tel.: (415) 447-1100 Ext. 4995
FTS: 457-4995

Table-I: CURRENT AWARENESS SERVICES SEARCHED FOR THIS BIBLIOGRAPHY

1. Engineering Index (Compendex)
Covers the world's significant technical literature and conferences encompassing all engineering disciplines. Covered are 2299 professional and industrial journals, proceedings, special publications, monographs, reports, etc.
2. Nuclear Science Abstracts
Covers the international nuclear science literature. The journals regularly scanned are contained in "Serial Titles Cited in Nuclear Science Abstracts."
3. Chemical Abstract Condensates (Chemcon)
CA Condensates provide a computer readable service which corresponds to Chemical Abstracts. Some 13,000 journals as well as patents from 26 countries, conference proceedings, and government research reports are covered.
4. National Technical Information Service (NTIS)
This data base covers government sponsored research and development reports since 1970.
5. Congressional Information Service Index (CIS Index)
CIS Index covers publications of the United States Congress since 1970.
6. ERDA Energy Data Base (EDB)
EDB contains over 98,000 entries, encompassing all areas of energy-related information.
7. Energy Data Base
Over 5,000 entries in this data base cover the use, generation, distribution, environmental effects, and sources of all forms of energy.
8. ERDA Research Abstracts (ERA)
ERA provides abstracting and indexing service for all scientific and technical reports, journal articles, conference papers and proceedings, etc., originated by ERDA, its Laboratories, energy centers, and contractors.
9. Applied Science and Technology Index
Over 200 English Language periodicals in the field of aeronautics, space science, and related areas are covered in this cumulative subject index.
10. Readers Guide to Periodical Literature
A cumulative author-subject index is provided to approximately 160 periodicals of general interest in the United States.
11. International Aerospace Abstracts
This service provides coverage of the world literature in aeronautics and space science.

Table-I: CURRENT AWARENESS SERVICES SEARCHED FOR THIS BIBLIOGRAPHY (cont.)

12. Scientific and Technical Aerospace Abstracts
Aeronautics, space science, and supporting disciplines are covered. Included are NASA and NASA contractor reports, reports by U.S. government agencies, translations that appear as reports, NASA-owned patents and patent applications, dissertations and theses.
13. Information Services for Mechanical Engineering (ISMEC) Bulletin
The ISMEC Bulletin includes nearly 300 primary publications worldwide, covering all aspects of mechanical engineering, production engineering, and engineering management.
14. Energy Abstracts for Policy Analysis
This service provides abstracting services and indexing of selected non-technological literature, contributing to energy-related analysis and evaluation in areas such as policy, conservation, research and development, economics and sociology, etc. The material is taken from Congressional Committee prints, Federal agency reports, regional and state government reports and documents, news reports, books and conference proceedings.
15. Energy Review
This service reviews selected works on the general subject of energy.

Note: Of the above abstracting and current awareness services the first seven are in use as computer-readable data bases.

References

1. *William W. Eaton*, "Energy Storage", Energy Research and Development Administration, Office of Public Affairs, Washington, D.C., 20545, Library of Congress No. 74-600180 & EDM-066(6/76)
2. *George F. Pezdirtz*, "Program Approval Document", October 1, 1976, U.S. Energy Research and Development Administration, Division of Energy Storage Systems, Washington, D.C. 20545.
3. *Terrence M. Quick*, "Research Leading to the Production and Early Use of Numeric Data Banks of Material Properties and System Analyses." Quarterly Progress Reports, UCRL-50038-76-1/4, etc. Data Management Research Group, Lawrence Livermore Laboratory, P.O.Box 808, Livermore California, 94550.
4. *Terrence M. Quick*, "Technological Data Bases in Energy Storage," UCRL-78786, Rev. 1, Summary, Lawrence Livermore Laboratory, Livermore, California, 94550.
5. *Viktor E. Hampel & John A. Wade*, MASTER CONTROL - A Unifying Free-Form Data Storage and Data Retrieval System for Dissimilar Data Bases, Lawrence Livermore Laboratory, UCRL-71686 (1968), also published in the proceedings of the Am. Soc. for Inform. Sc., San Francisco, CA., 1969.
6. *Viktor E. Hampel, Eugene E. Henry, Robert W. Kuhn, Leonard Lyles*, Acquisition, Storage, Retrieval, Display & Utilization of Computerized Data Banks of Physical and Chemical Properties. Lawrence Livermore Laboratory, UCRL-78372; (Rev. 2) (1976); presented at the 5th Biennial International Conference at Boulder, Co., under the auspices of CODATA and the National Academy of Science, June 28-July 2, 1976.
7. *A. V. Hershey*, FORTRAN-IV Programming for Cartography and Topography, Dahlgren U.S. Naval Weapons Laboratory (1967-1971)
8. *Viktor E. Hampel*, "Decision Making with Interactive Access to Integrated Administrative and Technological Data Bases - The Integrated Information System," AESOP-XVII Meeting, Boston, Mass., September 13-15, 1977, in final preparation for publication in Conference Proceedings.

Part - 1

CONCORDANCE OF SUBJECTS AND AUTHORS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

100-MEGAJOULE/500-MEGAWATT SUPERFLYWHEEL			
1973	DESIGN CONSIDERATIONS FOR A 100-MEGAJOULE/500-MEGAWATT SUPERFLYWHEEL	RABENHORST, D. W. / TAYLOR, R. J.	1 26
1000 NMS FLYWHEEL			
1974	A 1000 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1 34
125 MVA POWER			
1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3 158
150 NMS FLYWHEEL			
1974	A 150 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1 35
1975 FLYWHEEL TECHNOLOGY			
1975	1975 FLYWHEEL TECHNOLOGY SYMPOSIUM	ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION, AND LAWRENCE LIVERMORE LABORATORY	1 50
200 MJ FLYWHEEL			
1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V.	3 194
25000 RPM			
1983	TESTING MAGNETO FLYWHEELS AT SPEEDS UP TO 25000 RPM.	MACHY (LOND)	1 2
2XIIB			
1973	MATERIALS EVALUATION FOR 2XIIB MAGNET	CHIAO, T. T./ WALKUP, C. M./NEWBY, H. A.	6 322
AALAND, K.			
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2 132
1976	FERRO-RESONANT CIRCUIT FOR A NEW FLYWHEEL MOTOR GENERATOR	AALAND, K.	1 54
ABSTRACTS			
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	LEHMANN, E. J.	1 42
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	HABERCOM, G. E.	1 46
AC POWER SYSTEMS			
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3 178
AC-DC POWER CONVERSION			
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3 195
AC/DC POWER CONDITIONING			
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3 195

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ACCELERATED TEST

1976	AN ACCELERATED TEST FOR PREDICTING THE LIFETIME OF ORGANIC FIBER COMPOSITES	CHIAO, C. C.	6	376
------	---	--------------	---	-----

ACCELERATION

1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J. F./PERINI, L. L.	2	80
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A./GRIMM, D. H.	2	86
1974	SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR	GULIA, N. V. / YUDOVSKII, I. D.	2	104
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B./THUR, G. M.	2	119

ACHIEVEMENTS AND PROSPECTS

1970	ACHIEVEMENTS AND PROSPECTS IN THE UTILIZATION OF KINETIC ENERGY	GROSU, S. I.	3	146
------	---	--------------	---	-----

ACHIEVING HIGH ENERGY

1973	ACHIEVING HIGH ENERGY EFFICIENCY	INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE	3	152
------	----------------------------------	---	---	-----

ACOUSTIC EMISSION

1972	ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES	HAMSTAD, M. A.	6	306
1972	ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES	HAMSTAD, M. A.	6	307
1973	ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT-WOUND BOTTLES	HAMSTAD, M. A./CHIAO, T. T.	6	320
1974	A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL	HAMSTAD, M. A./CHIAO, T. T.	6	333
1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A./CHIAO, T. T.	6	334
1974	ACOUSTIC EMISSION USES IN RESEARCH AND DEVELOPMENT OF COMPOSITE MATERIALS	HAMSTAD, M. A.	6	346

ACOUSTICS

1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A./CHIAO, T. T.	6	334
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6	337

ACT-I CARS

1976	FLYWHEELS: ENERGY-SAVING WAY TO GO	ENVIRONMENTAL SCIENCE AND TECHNOLOGY	2	137
------	------------------------------------	--------------------------------------	---	-----

ACTIVE STABILIZATION

1975	ACTIVE STABILIZATION OF THE ROTARY MOTION OF A SOLID BODY	SAKIAN, L. S.	1	41
------	---	---------------	---	----

ACTUATION FUNCTIONS

1966	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	2	65
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	212
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	213
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	214
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	215
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4	216

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ADAMS, L. R.			
1972	APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R.	4 224
ADVANCED COMPOSITE			
1974	A MODERATE-TEMPERATURE-CURABLE EPOXY FOR ADVANCED COMPOSITE	CHIAO, T. T./ JESSOP, E. S./NEWBY, H. A.	6 345
ADVANCED CONCEPTS			
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3 176
ADVANCED CONVERSION			
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3 195
ADVANCED FIBER COMPOSITE			
1972	EXPERIMENTAL INVESTIGATION OF FRACTURE IN AN ADVANCED FIBER COMPOSITE	KONISH, H. J. / SWEDLOW, J. L. / CRUSE, T. A.	6 294
ADVANCED FIBER COMPOSITES			
1974	A ROOM TEMPERATURE-CURABLE EPOXY FOR ADVANCED FIBER COMPOSITES	CHIAO, T. T./MOORE, R. L.	6 335
ADVANCED SYSTEMS DIVISION			
1975	FQSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
ADVANCED TECHNOLOGIES			
1974	ENERGY STORAGE.(11):.DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON,A.L.	3 166
AEROSPACE APPLICATIONS			
1963	MAGNETIC BEARINGS FOR AEROSPACE APPLICATIONS	EDGAR, R. F. / ET AL.	4 211
AEROSPACE CORP.			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS	AEROSPACE CORP.	2 113
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES,D.E./HINTON,M.G./MELTZER,J. /IURA,T./DYKEMA,O./FORREST,L./HAGEN, K./KETTLER,J./LAFRANCE,R./SMALLEY,W.	2 114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES,D.E./HINTON,M.G./MELTZER,J. /IURA,T.	2 115
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES,D.E./MELTZER,J.	2 116
AEROSPACE VEHICLES			
1963	MAGNETIC BEARINGS FOR AEROSPACE APPLICATIONS	EDGAR, R. F. / ET AL.	4 211
AEROSPATIALE, FRANCE			
1975	MOMENTUM WHEELS	TOROSSIAN, R.	1 49
AIR BEARINGS			
1970	APPLICATION OF AIR BEARINGS TO HIGH SPEED TURBOMACHINERY	BARNETT, M. A. / SILVER, A.	1 13
AIR CONDITIONING			
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL,O.W./MORASH,R.T./BARBER,R. J.	3 159

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

AIR FILTERS

1969 STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2	70
--	-------------------------	---	----

AIR POLLUTION

1970 SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2	75
1971 PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2	83
1972 TWO NEW WEAPONS AGAINST AUTOMOTIVE AIR POLLUTION: THE HYDROSTATIC DRIVE AND THE FLYWHEEL-ELECTRIC LDV.	WHITLAW, R. L.	2	90
1974 ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2	119
1974 KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	120
1975 AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2	124
1975 DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187

AIR STORAGE

1974 ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3	172
--	----------------	---	-----

AIRCRAFT

1966 EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	2	85
1967 EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	212
1967 EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	213
1967 EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	214
1967 EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	215
1967 EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4	216
1969 WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4	217
1971 POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2	81
1975 ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZTRICK, P. A.	5	247

AIRCRAFT ACTUATION FUNCTIONS

1966 EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	2	85
1967 EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	212
1967 EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	213
1967 EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	214
1967 EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	215
1967 EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4	216

AIRCRAFT SECONDARY POWER

1969 WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4	217
--	----------------	---	-----

AIRCRAFT-STORE SEPARATION PROBLEM

1973 ANGULAR MOMENTUM AND THE AIRCRAFT-STORE SEPARATION PROBLEM	DANIELS, P. / CLARE, T. A.	1	24
---	----------------------------	---	----

ALASKAN RESERVES

1974 ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5	243
---	-----------------------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ALKALI EARTH SALTS			
1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5 242
ALKALI METAL SALTS			
1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5 242
ALKALINE BATTERIES			
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. /PLUST, H. G.	2 111
ALLSUP, J. R.			
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R. /FLEMING, R. D.	2 102
ALTERNATING CURRENT			
1970	FLYWHEEL GENERATORS FOR INSTANT POWER	ASHMOLE, P. H.	3 145
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3 178
ALTERNATIVE AUTOMOTIVE POWER			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS	AEROSPACE CORP.	2 113
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. /HINTON, M. G. /MELTZER, J. /IURA, T. /DYKEMA, O. /FORREST, L. /HAGEN, K. /KETTLE, J. /LAFRANCE, R. /SMALLEY, W.	2 114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. /HINTON, M. G. /MELTZER, J. /IURA, T.	2 115
ALTERNATIVE ENERGY SOURCES			
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5 250
ALTERNATIVE PRIME MOVERS			
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. /THUR, G. M.	2 119
ALTHOUSE, L. P.			
1972	CHARACTERIZATION OF AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T. /ALTHOUSE, L. P.	6 309
ALUMINUM ALLOY			
1973	FLYWHEELS	POST, R. F. /POST, S. F.	1 25
AMER. TRANSIT ASSN.			
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2 116
AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.			
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.	5 252
AMMONIA			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. /CHEANEY, E. S. /CRESWICK, F. A. /TRAYSER, D. A. /FISCHER, R. D. /TIMBERLAKE, A. B. /BASHAM, S. J. /HERRIDGE, J. T. /WILCOX, J. P.	2 69
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. /HINTON, M. G. /MELTZER, J. /IURA, T.	2 115

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

AMMONIA (CONTD.)

1974 ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES STERNLICHT, B. / THUR, G. M. 2 119

ANALYSES

1976 RESEARCH LEADING TO THE PRODUCTION AND EARLY USE OF NUMERIC DATA BANKS OF MATERIAL PROPERTIES AND SYSTEM ANALYSES HENRY, E. A. 1 58

ANALYSIS

1984 GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R. 2 62
 1987 COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY MORGANTHALER, G. F. / BONK, S. P. 1 8
 1971 FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM MECHANICAL TECHNOLOGY, INC. 2 82
 1972 ANALYSIS OF STRESS-RUPTURE DATA FROM S-GLASS COMPOSITES ROBINSON, E. Y. / CHIAO, T. T. 6 298
 1972 DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE TRUSS BURNS, J. M. / TOLAND, R. H. 6 304
 1973 FAILURE CRITERIA AND FAILURE ANALYSIS OF COMPOSITE STRUCTURES TOLAND, R. H. / VICARIO, A. A. 6 310
 1974 FAILURE CRITERIA TO FRACTURE MODE ANALYSIS OF COMPOSITE MATERIALS WU, E. M. 6 328
 1974 THE APPLICATION OF THREE DIMENSIONAL FINITE ELEMENT ANALYSIS TO THE MICRO-MECHANICS OF FIBROUS COMPOSITE MATERIALS LARDER, R. A. 6 343
 1975 ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS GILBERT, J. S. / KERN, E. A. 3 183

ANALYSIS AND EVALUATION

1984 GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R. 2 62

ANALYSIS AND MATERIALS

1987 COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY MORGANTHALER, G. F. / BONK, S. P. 1 8

ANALYSIS OF COMPOSITE

1973 FAILURE CRITERIA AND FAILURE ANALYSIS OF COMPOSITE STRUCTURES TOLAND, R. H. / VICARIO, A. A. 6 310
 1974 FAILURE CRITERIA TO FRACTURE MODE ANALYSIS OF COMPOSITE MATERIALS WU, E. M. 6 328

ANALYSIS OF HOMOPOLAR

1975 ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS GILBERT, J. S. / KERN, E. A. 3 183

ANALYSIS OF STRESS-RUPTURE

1972 ANALYSIS OF STRESS-RUPTURE DATA FROM S-GLASS COMPOSITES ROBINSON, E. Y. / CHIAO, T. T. 6 298

ANGLE WOUND PIPE

1987 THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF TWO ANGLE WOUND PIPE CHIAO, T. T. 6 285

ANGULAR MOMENTUM

1972 APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE ADAMS, L. R. 4 224
 1973 ANGULAR MOMENTUM AND THE AIRCRAFT-STORE SEPARATION PROBLEM DANIELS, P. / CLARE, T. A. 1 24

ANGULAR MOMENTUM STORAGE

1972 APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE ADAMS, L. R. 4 224

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ANGULAR VELOCITY		
1974	GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES	GULIA, N. V. ET AL 2 105
ANISOTROPIC		
1967	APPLICATION OF FRACTURE MECHANICS TO ANISOTROPIC PLATES	WU, E. M. 6 262
1968	FRACTURE MECHANICS OF ANISOTROPIC PLATES	WU, E. M. 6 266
1969	CHARACTERIZATION OF ANISOTROPIC COMPOSITES	HALPIN, J. C. / PAGANO / WHITNEY / WU, E. M. 6 271
1971	A GENERAL THEORY OF STRENGTH FOR ANISOTROPIC MATERIALS	TSAI, S. W. / WU, E. M. 6 279
1972	OPTIMAL EXPERIMENTAL MEASUREMENT OF ANISOTROPIC FAILURE TENSORS	WU, E. M. 6 297
1973	DATA AVERAGING OF ANISOTROPIC MATERIAL CONSTANTS	WU, E. M. / JERINA, K. L. / LAVENGOOD, R. E. 6 311
1974	PHENOMENOLOGICAL ANISOTROPIC FAILURE CRITERION	WU, E. M. 6 326
1975	ON OPTIMAL SHAPES FOR ANISOTROPIC ROTATING DISKS.	GERSTLE, F. P. / BIGGS, F. 1 47
ANISOTROPIC COMPOSITES		
1969	CHARACTERIZATION OF ANISOTROPIC COMPOSITES	HALPIN, J. C. / PAGANO / WHITNEY / WU, E. M. 6 271
ANISOTROPIC FAILURE		
1972	OPTIMAL EXPERIMENTAL MEASUREMENT OF ANISOTROPIC FAILURE TENSORS	WU, E. M. 6 297
1974	PHENOMENOLOGICAL ANISOTROPIC FAILURE CRITERION	WU, E. M. 6 326
ANISOTROPIC FAILURE TENSORS		
1972	OPTIMAL EXPERIMENTAL MEASUREMENT OF ANISOTROPIC FAILURE TENSORS	WU, E. M. 6 297
ANISOTROPIC FAILURE CRITERION		
1974	PHENOMENOLOGICAL ANISOTROPIC FAILURE CRITERION	WU, E. M. 6 326
ANISOTROPIC MATERIAL		
1973	DATA AVERAGING OF ANISOTROPIC MATERIAL CONSTANTS	WU, E. M. / JERINA, K. L. / LAVENGOOD, R. E. 6 311
ANISOTROPIC MATERIAL CONSTANTS		
1973	DATA AVERAGING OF ANISOTROPIC MATERIAL CONSTANTS	WU, E. M. / JERINA, K. L. / LAVENGOOD, R. E. 6 311
ANISOTROPIC PLATES		
1967	APPLICATION OF FRACTURE MECHANICS TO ANISOTROPIC PLATES	WU, E. M. 6 262
1968	FRACTURE MECHANICS OF ANISOTROPIC PLATES	WU, E. M. 6 266
ANISOTROPIC ROTATING DISKS		
1975	ON OPTIMAL SHAPES FOR ANISOTROPIC ROTATING DISKS.	GERSTLE, F. P. / BIGGS, F. 1 47
ANISOTROPY		
1975	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W. 1 43
ANTI-SKID DEVICE		
1967	FLYWHEEL INERTIA ACTUATES AUTOMATIC ANTI-SKID DEVICE	PRODUCT ENG. 2 67
APPARATUS		
1972	INERTIAL ENERGY STORAGE APPARATUS AND SYSTEM FOR UTILIZING THE SAME	POST, R. F. / POST, S. F. 2 88
1973	INERTIAL ENERGY STORAGE APPARATUS	POST, S. F. 2 96

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

APPLICATION

1959	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2	60
1981	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4	210
1987	APPLICATION OF FRACTURE MECHANICS TO ANISOTROPIC PLATES	WU, E. M.	6	262
1987	APPLICATION OF THE METHOD OF TIME-DEPENDENT BOUNDARY CONDITIONS IN LINEAR VISCOELASTICITY.	CHRISTENSEN, R. M.	6	263
1970	APPLICATION OF AIR BEARINGS TO HIGH SPEED TURBOMACHINERY	BARNETT, M. A. / SILVER, A.	1	13
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
1972	APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R.	4	224
1972	THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE	RABENHORST, D. W.	1	19
1972	APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J.	2	89
1973	A SPECIAL THEORY OF VISCOELASTIC FLUIDS FOR APPLICATION TO SUSPENSION.	CHRISTENSEN, R. M.	6	313
1973	APPLICATION OF TWO-PHASE DC CHOPPER MOTOR DRIVE	REIMERS, E.	2	95
1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2	103
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	176
1974	THE APPLICATION OF THREE DIMENSIONAL FINITE ELEMENT ANALYSIS TO THE MICRO-MECHANICS OF FIBROUS COMPOSITE MATERIALS	LARDER, R. A.	6	343
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3	180
1975	APPLICATION SPIRAL-GROOVE BEARINGS ON SPACECRAFT	VANDERWAL, U.	4	236
1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2. LICENSE APPLICATION, FSAR, AMENDMENT 27	METROPOLITAN EDISON CO.	2	127
1975	DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION.	CORMACK, A. / NOTTI, J. E. / RUIZ, M. L.	4	239
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.	DAVIS, D. D.	2	134
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.	DAVIS, D. D.	2	135

APPLICATION SPIRAL-GROOVE BEARINGS

1975	APPLICATION SPIRAL-GROOVE BEARINGS ON SPACECRAFT	VANDERWAL, U.	4	236
------	--	---------------	---	-----

APPLICATION TO FLYWHEEL

1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
------	---	---------------	---	----

APPLICATION TO SUSPENSION

1973	A SPECIAL THEORY OF VISCOELASTIC FLUIDS FOR APPLICATION TO SUSPENSION.	CHRISTENSEN, R. M.	6	313
------	--	--------------------	---	-----

APPLICATIONS

1983	MAGNETIC BEARINGS FOR AEROSPACE APPLICATIONS	EDGAR, R. F. / ET AL.	4	211
1971	EVALUATION OF HYBRID HEAT ENGINE/ELECTRIC SYSTEMS FOR LOW EXHAUST EMISSION POTENTIAL IN AUTOMOTIVE APPLICATIONS	LAPEDES, D. E. / MELTZER, J.	2	78
1971	POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2	81
1972	SUMMARY OF GAS BEARING APPLICATIONS IN THE FIELD OF SPACE ELECTRIC POWER SYSTEMS	DUNN, J. H. / REAM, L. W.	4	223
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRIK, P. A.	5	247
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	LEHMANN, E. J.	1	42
1975	SCREENING OF EPOXY SYSTEMS FOR HIGH-PERFORMANCE FILAMENT WINDING APPLICATIONS	CHIAO, T. T. / JESSOP, E. S. / PENN, L. S.	6	355
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	HABERCOM, G. E.	1	46
1975	EPOXY RESINS FOR FLYWHEEL APPLICATIONS.	RINDE, J. A.	1	48
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6	364

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

APPLICATIONS (CONTD.)

1975	FIBER EVALUATION FOR FLYWHEEL APPLICATIONS	PENN, L. S. / CHIAO, T. T.	1	52
1976	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS	STONE, R. G.	1	57

APPLICATIONS OF FLYWHEELS

1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	LEHMANN, E. J.	1	42
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	HABERCOM, G. E.	1	46

APPLIED PERTURBATIONS

1968	FLYWHEEL STABILIZATION OF A RIGID BODY SUBJECTED TO CONSTANTLY APPLIED PERTURBATIONS	DERGACHEVA, E. I.	3	140
------	--	-------------------	---	-----

APPLIED PHYSICS LAB., JOHNS HOPKINS UNIV.

1969	PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL	RABENHORST, D. W.	2	68
1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3	157
1974	TECHNICAL PROGRAM PLAN FOR SUPERFLYWHEEL DEVELOPMENT	RABENHORST, D. W.	1	27

AQUACULTURE

1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187
------	---	------	---	-----

ARGONNE NATIONAL LAB.

1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V.	3	194
------	---	-----------	---	-----

ARIGA, H.

1975	POWER PLANT	ARIGA, H.	3	197
------	-------------	-----------	---	-----

ARMAGNAC, A. P.

1970	SUPER FLYWHEEL TO POWER ZERO-EMISSION CAR	ARMAGNAC, A. P.	2	73
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2	108

AROMATIC POLYAMIDE FIBER/

1975	HIGH PERFORMANCE VESSELS FROM AN AROMATIC POLYAMIDE FIBER/EPOXY COMPOSITE	CHIAO, T. T./HAMSTAD, M. A.	6	351
------	---	-----------------------------	---	-----

ASHMOLE, P. H.

1970	FLYWHEEL GENERATORS FOR INSTANT POWER	ASHMOLE, P. H.	3	145
------	---------------------------------------	----------------	---	-----

ASSESSMENT

1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	176
1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3	191
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3	207

ASSESSMENT OF ENERGY

1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3	191
------	---	------------------	---	-----

ASTRO RESEARCH CORP.

1964	THE UNIFORM-STRESS SPINNING FILAMENTARY DISK	KYSER, A. C.	1	3
1972	APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R.	4	224

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ATA RAIL TRANSIT			
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2 116
ATOMIC ENERGY OF CANADA LTD., WHITESHELL NUCLEAR RESEARCH ESTABLISHMENT			
1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3 198
ATS GRAPHITE EPOXY			
1972	DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE TRUSS	BURNS, J. M. / TOLAND, R. H.	6 304
ATTENUATION OF HARMONIC			
1973	ATTENUATION OF HARMONIC WAVES IN LAYERED MEDIA	CHRISTENSEN, R. M.	6 314
ATTITUDE			
1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHN, F. J.	4 237
ATTITUDE AND ORBIT			
1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHN, F. J.	4 237
ATTITUDE CONTROL			
1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHN, F. J.	4 237
ATZORI, B.			
1974	ITERATIVE PROCEDURES FOR CALCULATING THE FIRST TORSIONAL EIGENFREQUENCY OF A SHAFT WITH SEVERAL FLYWHEELS	ATZORI, B. / CURTI, G.	1 31
AUER, WERNER			
1974	DESIGN AND LUBRICATION OF BALL BEARING UNIT FOR FLYWHEELS	AUER, WERNER	4 233
AUTO			
1971	LIFT FOR THE AUTO: ENGINE-FLYWHEEL HYBRIDS	MCCAULL, J.	2 85
1975	FLYWHEELS - FLYWHEEL IN AUTO TO REPLACE GASOLINE	MACHINE DESIGN	2 130
AUTOMATIC ANTI-SKID DEVICE			
1967	FLYWHEEL INERTIA ACTUATES AUTOMATIC ANTI-SKID DEVICE	PRODUCT ENG.	2 87
AUTOMATIC RECHARGE			
1975	VEHICLE POWER SYSTEM FOR LIMITED VEHICLE MOVEMENT WITHOUT USE OF FUEL	STROHLEIN, J. N.	2 128
AUTOMOBILE			
1974	ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE	POST, R. F.	2 101
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124
AUTOMOBILE AIR POLLUTION			
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

AUTOMOBILE ENERGY USAGE

1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
------	---	-----------------	---	-----

AUTOMOBILES

1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. BATTELLE COLUMBUS LABS.	2	69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES		2	70
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES. FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2	75
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L.	2	80
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2	82
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2	83
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2	86
1972	FLYWHEEL DRIVE SYSTEMS STUDY. FINAL REPORT	GILBERT, R. R. / HEUER, G. E. / JACOBSEN, E. H. / KUHN, S. B. / LAWSON, L. J. / WADA, W. T.	2	87
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R. / FLEMING, R. D.	2	102
1974	SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR	GULIA, N. V. / YUDOVSKII, I. D.	2	104
1974	GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES	GULIA, N. V. ET AL	2	105
1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2	106
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2	114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2	115
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2	119
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H. / TORRES, F.	2	117
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	120
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2	124
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2	126
1975	HYBRID POWER SYSTEM	SUGIYAMA, H. / HIROTA, T. / KAKEI, J. / KABASAWA, Y.	2	129
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2	132
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2	133

AUTOMOTIVE

1971	EVALUATION OF HYBRID HEAT ENGINE/ELECTRIC SYSTEMS FOR LOW EXHAUST EMISSION POTENTIAL IN AUTOMOTIVE APPLICATIONS	LAPEDES, D. E. / MELTZER, J.	2	78
1972	TWO NEW WEAPONS AGAINST AUTOMOTIVE AIR POLLUTION: THE HYDROSTATIC DRIVE AND THE FLYWHEEL-ELECTRIC LDV.	WHITLAW, R. L.	2	90
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS	AEROSPACE CORP.	2	113
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2	114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2	115
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H. / TORRES, F.	2	117
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2	124

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

AUTOMOTIVE AIR POLLUTION			
1972	TWO NEW WEAPONS AGAINST AUTOMOTIVE AIR POLLUTION: THE HYDROSTATIC DRIVE AND THE FLYWHEEL-ELECTRIC LDV.	WHITLAW, R. L.	2 90
AUTOMOTIVE APPLICATIONS			
1971	EVALUATION OF HYBRID HEAT ENGINE/ELECTRIC SYSTEMS FOR LOW EXHAUST EMISSION POTENTIAL IN AUTOMOTIVE APPLICATIONS	LAPEDES, D.E./MELTZER, J.	2 78
AUTOMOTIVE ENG.			
1973	FLYWHEEL-ELECTRIC SYSTEM FOR LOCAL-DUTY VEHICLES	AUTOMOTIVE ENG.	2 93
AUTOMOTIVE ENGINE			
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H./TORRES, F.	2 117
AUTOMOTIVE ENGINES			
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124
AUTOMOTIVE FUELS			
1989	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J.A./CHEANEY, E.S./CRESWICK, F. A./TRAYSER, D.A./FISCHER, R.D. /TIMBERLAKE, A.B./BASHAM, S.J. /HERRIDGE, J.T. /WILCOX, J. P. BATTELLE COLUMBUS LABS.	2 69
1989	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES		2 70
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2 75
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E./HINTON, M.G./MELTZER, J. /IURA, T.	2 115
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B./THUR, G.M.	2 119
AUTOMOTIVE POWER SYSTEMS			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS	AEROSPACE CORP.	2 113
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E./HINTON, M.G./MELTZER, J. /IURA, T./DYKEMA, O./FORREST, L./HAGEN, K./KETTLER, J./LAFRANCE, R./SMALLEY, W.	2 114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E./HINTON, M.G./MELTZER, J. /IURA, T.	2 115
AVERAGING OF ANISOTROPIC			
1973	DATA AVERAGING OF ANISOTROPIC MATERIAL CONSTANTS	WU, E. M. / JERINA, K. L./ LAVENGOOD, R. E.	6 311
AXISYMMETRIC FILAMENTARY STRUCTURES			
1970	AXISYMMETRIC FILAMENTARY STRUCTURES	FRASER, A. F. / PREISWERK, P. R. / BENTON, M. D. / BURG-GRAF, O. R.	6 278
BADER, C.			
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. /PLUST, H. G.	2 111
BALL BEARING UNIT			
1974	DESIGN AND LUBRICATION OF BALL BEARING UNIT FOR FLYWHEELS	AUER, WERNER	4 233
BALL-BEARING FLYWHEEL			
1974	QUALIFICATION AND LIFE TESTING OF A BALL-BEARING FLYWHEEL	TELDIX LUFTFAHRT-AUSRUESTUNGS G.M.B. H.	4 235

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

BANK USES CONSTANT-POWER			
1970	FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS	ORTIZ, J. V.	3 144
BANKS			
1976	RESEARCH LEADING TO THE PRODUCTION AND EARLY USE OF NUMERIC DATA BANKS OF MATERIAL PROPERTIES AND SYSTEM ANALYSES	HENRY, E. A.	1 58
BANNAI, E.			
1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3 158
BARBER, R. J.			
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W. / MORASH, R. T. / BARBER, R. J.	3 159
BARNETT, M. A.			
1970	APPLICATION OF AIR BEARINGS TO HIGH SPEED TURBOMACHINERY	BARNETT, M. A. / SILVER, A.	1 13
BARWELL, L. D. G.			
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / GOWARD, C. D. / KING, A. H. / MORTON D. F.	4 219
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / SWAIN, J.	4 221
BASHAM, S. J.			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.	2 69
BATTELLE COLUMBUS LABS.			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.	2 69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70
BATTELLE LABS.			
1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2 66
BATTELLE RESEARCH CENTRE			
1974	ENERGY CRISIS	BECCU, K. D.	3 164
BATTERIES			
1971	ELECTRIC ROAD VEHICLE	CALVERT, W. L.	2 64
1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3 157
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS--SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 180
1974	NO-BREAK SETS	MOODY, R. L.	3 187
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2 116
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3 172
1974	ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT	KALHAMMER, F.	3 174
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3 177
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5 248
1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3 181
1975	UTILITIES EYE LARGE-SCALE ENERGY STORAGE	RICCI, L. J.	3 184
1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	ZLOTNICK, M.	3 190

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

BATTERIES (CONTD.)

1976	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3	191
1976	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5	250
1976	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3	195
1976	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3	205
1976	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5	251
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.	5	252

BATTERY

1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2	106
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
1974	SUPERFLYWHEEL: THE BATTERY THAT SPINS	LAMPE, D.	1	36

BATTERY AND HEAT

1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
------	---	------------------------------	---	-----

BATTERY POWERED VEHICLE

1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2	106
------	-------------------------------	--------------	---	-----

BATTERY THAT SPINS

1974	SUPERFLYWHEEL: THE BATTERY THAT SPINS	LAMPE, D.	1	36
------	---------------------------------------	-----------	---	----

BATTERY-FLYWHEEL HYBRID ELECTRIC

1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.	DAVIS, D. D.	2	134
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.	DAVIS, D. D.	2	135

BATTERY-STORED ENERGY SYSTEMS

1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3	162
------	--	---------------	---	-----

BAXTER, J. W.

1974	KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE	BAXTER, J. W. / LAWSON, L. J.	2	107
------	--	-------------------------------	---	-----

BE-WIRE

1974	STRESS-RUPTURE OF EPOXY-COATED BE-WIRE	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6	342
------	--	---	---	-----

BEACHLEY, N. H.

1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2	128
------	--	--------------------------------	---	-----

BEADLE, C. W.

1975	STRENGTH DISTRIBUTION OF SINGLE FILAMENTS	LARDER, R. A. / BEADLE, C. W.	6	359
------	---	-------------------------------	---	-----

BEAMS, J. W.

1964	MAGNETIC BEARINGS	BEAMS, J. W.	1	4
------	-------------------	--------------	---	---

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

BEARING APPLICATIONS			
1972	SUMMARY OF GAS BEARING APPLICATIONS IN THE FIELD OF SPACE ELECTRIC POWER SYSTEMS	DUNN, J. H. / REAM, L. W.	4 223
BEARING MOMENTUM WHEEL			
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4 230
BEARING SUPPORT FLYWHEEL			
1989	BEARING SUPPORT FLYWHEEL	ENGINEER	1 10
BEARING SYSTEM			
1970	A GREASE-LUBRICATED HYDRODYNAMIC BEARING SYSTEM FOR A SATELLITE FLYWHEEL	REINHOUDT, J. P.	4 218
BEARING UNIT			
1974	DESIGN AND LUBRICATION OF BALL BEARING UNIT FOR FLYWHEELS	AUER, WERNER	4 233
BEARINGS			
1981	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4 210
1983	MAGNETIC BEARINGS FOR AEROSPACE APPLICATIONS	EDGAR, R. F. / ET AL.	4 211
1984	MAGNETIC BEARINGS	BEAMS, J. W.	1 4
1970	APPLICATION OF AIR BEARINGS TO HIGH SPEED TURBOMACHINERY	BARNETT, M. A. / SILVER, A.	1 13
1972	LOW PEAK TEMPERATURES AND HYDRODYNAMIC BEARINGS - KEY TO LONG LIFE ORGANIC RANKINE CYCLE SYSTEMS	BORETZ, J. E.	3 150
1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G.	4 225
1974	THE LUBRICATION OF BEARINGS AND SLIP RINGS IN VACUUM	ODONNELL, P. J. / HARRIS, L. C. / WARWICK, M. G.	1 38
1975	APPLICATION SPIRAL-GROOVE BEARINGS ON SPACECRAFT	VANDERWAL, U.	4 236
BEARINGS AND SLIP			
1974	THE LUBRICATION OF BEARINGS AND SLIP RINGS IN VACUUM	ODONNELL, P. J. / HARRIS, L. C. / WARWICK, M. G.	1 38
BEARINGS FOR AEROSPACE			
1983	MAGNETIC BEARINGS FOR AEROSPACE APPLICATIONS	EDGAR, R. F. / ET AL.	4 211
BEARINGS ON SPACECRAFT			
1975	APPLICATION SPIRAL-GROOVE BEARINGS ON SPACECRAFT	VANDERWAL, U.	4 236
BECCU, K. D.			
1974	ENERGY CRISIS	BECCU, K. D.	3 184
BECHTEL, INC.			
1975	DYNAMIC BRAKING	KALRA, P.	2 125
BECKER, E. B.			
1974	ULTRAHIGH TEMPERATURE	RYLANDER, H. G. / WOODSON, H. H. / BECKER, E. B. / ROWBERG, R.	3 183
BEHAVIOR OF GRAPHITE			
1974	STRESS-RUPTURE BEHAVIOR OF GRAPHITE FIBER/EPOXY STRANDS	MOORE, R. L. / CHIAO, T. T. / HAMSTAD, M. A.	6 324

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

BEHAVIOR OF STRANDS			
1973	STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T. / WELLS, J. E. / MOORE, R. L. / HAMSTAD, M. A.	6 318
BELT VARIATOR			
1974	SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR	GULIA, N. V. / YUDOVSKII, I. D.	2 104
BENCH-SCALE EXPERIMENTS			
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2 132
BENTON, M. D.			
1970	AXISYMMETRIC FILAMENTARY STRUCTURES	FRASER, A. F. / PREISWERK, P. R. / BENTON, M. D. / BURG-GRAF, O. R.	6 278
BERYLLIUM OXIDE/ GLASS			
1969	EVALUATION OF HIGH-STRENGTH, HIGH-MODULUS BERYLLIUM OXIDE/ GLASS FIBER	CHIAO, T. T. / LEWIS, A. / KIMPLE, R. F.	6 278
BETTER EFFICIENCY			
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W. / MORASH, R. T. / BARBER, R. J.	3 159
BI-AXIAL LOADING			
1972	FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL LOADING	CHIAO, T. T. / COMMINS, A. D.	6 308
BIBLIOGRAPHIES			
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124
BIBLIOGRAPHY			
1974	FLYWHEELS AS AN ENERGY STORAGE DEVICE, A SELECTED BIBLIOGRAPHY	LLL	1 30
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	LEHMANN, E. J.	1 42
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	HABERCOM, G. E.	1 46
1976	FLYWHEELS, A REPORT BIBLIOGRAPHY	DEFENSE DOCUMENTATION CENTER	1 55
1976	FLYWHEELS, A SELECTED BIBLIOGRAPHY	MADDEN, W. E.	1 56
BIBLIOGRAPHY WITH ABSTRACTS			
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	LEHMANN, E. J.	1 42
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	HABERCOM, G. E.	1 46
BIGGS, F.			
1974	FLYWHEEL ENERGY SYSTEMS	BIGGS, F.	1 37
1975	ON OPTIMAL SHAPES FOR ANISOTROPIC ROTATING DISKS.	GERSTLE, F. P. / BIGGS, F.	1 47
BINDER, R.			
1984	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2 62

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

BINDIN, P.J.		
1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P.J. 1 40
BLAKE, A.		
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A. 1 53
BODY		
1968	FLYWHEEL STABILIZATION OF A RIGID BODY SUBJECTED TO CONSTANTLY APPLIED PERTURBATIONS	DERGACHEVA, E. I. 3 140
1975	ACTIVE STABILIZATION OF THE ROTARY MOTION OF A SOLID BODY	SAAKIAN, L. S. 1 41
BOERSMA, G.		
1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHNEIN, F. J. 4 237
BOLLEN, J. A. C.		
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C. 4 230
BONK, S. P.		
1967	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P. 1 8
BONNET-THIRION, C.J.		
1972	DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)	BONNET-THIRION, C.J./ROBIDA, L. /FOLDES, G. 1 21
BOOTSTRAPS TO POWER		
1968	EMERGENCY PUMP SYSTEMS ARE BOOTSTRAPS TO POWER	PRODUCT ENG. 3 141
BORETZ, J. E.		
1972	LOW PEAK TEMPERATURES AND HYDRODYNAMIC BEARINGS - KEY TO LONG LIFE ORGANIC RANKINE CYCLE SYSTEMS	BORETZ, J. E. 3 150
BORON		
1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J. 5 242
BORON OXIDE		
1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J. 5 242
BOS, J. G. G.		
1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G. 4 225
BOTTLES		
1972	ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES	HAMSTAD, M. A. 6 306
1972	ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES	HAMSTAD, M. A. 6 307
1973	ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT-WOUND BOTTLES	HAMSTAD, M. A./CHIAO, T. T. 6 320

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

BOUNDARY CONDITIONS			
1987	APPLICATION OF THE METHOD OF TIME-DEPENDENT BOUNDARY CONDITIONS IN LINEAR VISCOELASTICITY.	CHRISTENSEN, R. M.	6 263
BRAKES			
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2 108
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2 128
BRAKES STORE			
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2 108
BRAKING			
1974	IMPROVED REGENERATIVE BRAKING SYSTEM	HYNE, A. / ZUCKER, O.	2 121
1975	DYNAMIC BRAKING	KALRA, P.	2 125
BRANDT, A.			
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J. F. / PERINI, L. L.	2 80
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L./BRANDT, A./GEORGE, J. F. / PERINI, L. L./RABENHORST, D. W. / SMALL, T. R./WEISS, R. O.	1 18
BRAUN, C.			
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3 205
BRIEF SUMMARY			
1974	NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	LUCCHINI, A. P.	5 246
BRINCO LTD.			
1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3 162
BRISSEY, F. L.			
1971	MEASUREMENT AND CONTROL OF DYNAMIC CRACKS IN COMPOSITES.	BRISSEY, F. L. / WU, E. M.	6 280
BRITISH AIRCRAFT CORP.			
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / GOWARD, C. D. / KING, A. H. / MORTON D. F.	4 219
BRITISH AIRCRAFT CORP., GUIDED WEAPONS DIV.			
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / SWAIN, J.	4 221
BROBECK, W. M. ASSOC.			
1975	DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE	BROBECK, W. M. ASSOC.	1 44
BRONNER, G.			
1975	PROPOSED TFTR ELECTRICAL SYSTEM	BRONNER, G. / MURRAY, J.	3 200
BROOKHAVEN NATIONAL LABORATORY			
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3 205

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

BRUNELLE, E. J.			
1973 SUPER FLYWHEEL; A SECOND LOOK	BRUNELLE, E. J.	1	22
BRUNS, K.			
1974 NEW MOMENTUM FOR NUCLEAR FUSION. IN THE MAX-PLANCK-INSTITUT IN MUENCHEN, A NEW PHASE OF PLASMA RESEARCH HAS BEGUN	BRUNS, K.	3	161
BUDGET ON ENERGY			
1974 GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
BUDGETS			
1974 GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
1975 ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRICK, P. A.	5	247
BUFFER			
1972 FLYWHEEL ENERGY BUFFER	JAKUBOWSKI, M.	3	151
BUFFERED ELECTRIC POWER			
1974 MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3	162
BUREAU OF MINES, BARTLESVILLE ENERGY RESEARCH CENTER			
1974 EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R. / FLEMING, R. D.	2	102
BURG-GRAF, O. R.			
1970 AXISYMMETRIC FILAMENTARY STRUCTURES	FRASER, A. F. / PREISWERK, P. R. / BENTON, M. D. / BURG-GRAF, O. R.	6	278
BURNS, J. M.			
1972 DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE TRUSS	BURNS, J. M. / TOLAND, R. H.	6	304
BURST PRESSURE			
1974 ORGANIC FIBER/EPOXY PRESSURE VESSELS	CHIAO, T. T. / HAMSTAD, M. A. / MARCON, M. A.	6	336
BURST TESTS			
1973 ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT- WOUND BOTTLES	HAMSTAD, M. A. / CHIAO, T. T.	6	320
BUS APPLICATION			
1974 SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2	103
BUSES			
1967 FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2	66
1971 FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L.	2	80
1974 SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2	103

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

BUSSES			
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2 116
C-4			
1975	KEVLAR/EPOXY AND KEVLAR/GRAPHITE/EPOXY COMPOSITES FOR THE C-4 (TRIDENT) CHAMBER PROGRAM	CLEMENTS, L. L./ MOORE, R. L./ MONES, E. T./CHIAO, T. T.	6 363
CALCULATING TORSIONAL VIBRATIONS			
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A.	1 29
CALCULATION OF STRESSES			
1972	CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING DISKS AND FLYWHEELS	KRITZER, R.	1 20
CALCULATIONS			
1964	THE UNIFORM-STRESS SPINNING FILAMENTARY DISK	KYSER, A. C.	1 3
1972	CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING DISKS AND FLYWHEELS	KRITZER, R.	1 20
1972	STRESS RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS: TIME - BREAK-DATA.	CHIAO, T. T./MOORE, R. L.	6 300
1972	STRESS-RUPTURE OF SIMPLE S-GLASS/EPOXY COMPOSITES	CHIAO, T. T./ LEPPER, J. K./ HETHERINGTON, N.W./MOORE, R. L.	6 302
1973	DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR ARRAYS	PFEIFFER, F./POHL, A.	4 227
1974	GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES	GULIA, N. V. ET AL	2 105
1974	A 150 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1 35
1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P.J.	1 40
CALIF. INST. OF TECHNOLOGY			
1975	HYBRID VEHICLES	VIVIAN, H. C.	2 131
CALL, B. J.			
1966	ENERGY STORING MASS AND METHOD FOR MAKING	CALL, B. J.	3 138
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4 216
CALVERT, W.L.			
1971	ELECTRIC ROAD VEHICLE	CALVERT, W.L.	2 84
CAMBRIDGE THERMIONIC CORP., MASS.			
1970	MODIFICATION OF DC MOTOR WITH MAGNETICALLY SUSPENDED ROTOR	CAMBRIDGE THERMIONIC CORP., MASS.	1 11
CAN FLYWHEELS REPLACE			
1974	CAN FLYWHEELS REPLACE PUMPED STORAGE?	GINSBURG, T.	3 169
CANTILEVER PLATE			
1963	VIBRATION OF A 45-DEG. RIGHT TRIANGLE CANTILEVER PLATE BY A GRIDWORK METHOD.	CHRISTENSEN, R. M.	6 255
CAPACITOR			
1978	MECHANICAL CAPACITOR	KIRK, JAMES A. / STUDER, PHILIP A. / EVANS, HAROLD E.	3 206
CAPACITORS			
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5 248

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

CAPACITY			
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3 155
CAPITAL			
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3 209
CAPTURED LOAD RESILIENCE			
1968	CAPTURED LOAD RESILIENCE OF A HYDRAULIC VIBRATOR SAVES POWER	LANKESTER, J. A.	1 9
CAR			
1970	WIND UP CAR	HOHENEMSER, K. / MCCAULL, J.	2 71
1970	SUPER FLYWHEEL TO POWER ZERO-EMISSION CAR	ARMAGNAC, A. P.	2 73
1973	HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL TIME TRANSPORTATION	LINDSLEY, E. F.	2 97
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2 116
CAR EQUIPMENT SESSIONS			
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2 116
CARBON			
1973	INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE MATERIALS	TOLAND, R. H.	6 319
CARBON DIOXIDE LASERS			
1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J.C. / FRAZER, R. / RUBINSTEIN, N.	5 241
CARBON FIBER COMPOSITE			
1973	INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE MATERIALS	TOLAND, R. H.	6 319
CARBON FIBERS			
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6 337
CARBON MONOXIDE			
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J.R. / FLEMING, R.D.	2 102
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D.E. / MELTZER, J.	2 118
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G.M.	2 119
CARBON MONOXIDE LASERS			
1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J.C. / FRAZER, R. / RUBINSTEIN, N.	5 241
CARS			
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY- SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2 108
CASAZZA, J. A.			
1976	ENERGY STORAGE	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3 208

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

CASAZZA, J. A. (CONTD.)			
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3 209
CAST IRON FLYWHEEL			
1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P.J.	1 40
CAST IRON FLYWHEELS			
1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P.J.	1 40
CATALYTIC CONVERTERS			
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J.R./FLEMING, R.D.	2 102
CATAPULT			
1966	SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT FLYWHEEL PACKAGE	NAVAL ORDNANCE STATION, FOREST PARK, ILL.	2 64
1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3 143
CATAPULT FLYWHEEL PACKAGE			
1966	SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT FLYWHEEL PACKAGE	NAVAL ORDNANCE STATION, FOREST PARK, ILL.	2 64
CENTERLESS FLYWHEEL			
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A.	1 53
CENTRAL ELECTRICITY RESEARCH LABS			
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G.C./HART, A.B./MOFFITT, R.D. /WRIGHT, J	3 186
CHARACTERIZATION			
1969	CHARACTERIZATION OF ANISOTROPIC COMPOSITES	HALPIN, J. C. / PAGANO / WHITNEY / WU, E. M.	6 271
1969	SOME UNIQUE CRACK PROPAGATION PHENOMENA IN UNIDIRECTIONAL COMPOSITES AND THEIR MATHEMATICAL CHARACTERIZATION	WU, E. M.	6 272
1972	CHARACTERIZATION OF AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T./ALTHOUSE, L. P.	6 309
1974	LAMINATE STRENGTH - A DIRECT CHARACTERIZATION PROCEDURE	WU, E. M. / SCHUEBLEIN, J. K.	6 330
1975	CHEMICAL CHARACTERIZATION OF A HIGH-PERFORMANCE ORGANIC FIBER	PENN, LYNN/ NEWWEY, H. A./CHIAO, T. T.	6 352
1975	CHARACTERIZATION PROCEDURE FOR THERMOSETTING RESINS	PENN, L. S. / NEWWEY, H.	6 363
1976	CHARACTERIZATION OF A POLYAMIDE MATRIX FOR FIBER COMPOSITES	PENN, L. S. / MONES, E. T. / CHIAO, T. T.	6 372
CHARACTERIZATION PROCEDURE			
1974	LAMINATE STRENGTH - A DIRECT CHARACTERIZATION PROCEDURE	WU, E. M. / SCHUEBLEIN, J. K.	6 330
1975	CHARACTERIZATION PROCEDURE FOR THERMOSETTING RESINS	PENN, L. S. / NEWWEY, H.	6 363
CHEANEY, E.S.			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J.A./CHEANEY, E.S./CRESWICK, F. A./TRAYSER, D.A./FISCHER, R.D. /TIMBERLAKE, A.B./BASHAM, S.J. /HERRIDGE, J.T. /WILCOX, J. P.	2 69

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

CHEM. ENG.			
1970	POWER-SYSTEMS RESEARCH SHIFTS TO MEET SOCIAL GOALS	CHEM. ENG.	3 147
CHEMICAL CHARACTERIZATION			
1975	CHEMICAL CHARACTERIZATION OF A HIGH-PERFORMANCE ORGANIC FIBER	PENN, LYNN/ NEWBY, H. A./CHIAO, T. T.	6 352
CHEMICAL ENERGY STORAGE			
1974	ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT	KALHAMMER, F.	3 174
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3 177
CHEMICAL REACTIONS			
1974	ENERGY STORAGE. (1): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3 166
CHEMISTRY AND TECHNOLOGY			
1976	CHEMISTRY AND TECHNOLOGY OF HIGH STRENGTH POLYAMIDE FIBERS	LARSEN, F. N.	6 377
CHERNIAVSKY, E. A.			
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3 206
CHIAO, C. C.			
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6 364
1975	LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C.	6 366
1976	AN ACCELERATED TEST FOR PREDICTING THE LIFETIME OF ORGANIC FIBER COMPOSITES	CHIAO, C. C.	6 376
CHIAO, T. T.			
1966	DESIGN FOR COMMERCIAL FILAMENT WINDING	CHIAO, T. T.	6 261
1967	THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF TWO ANGLE WOUND PIPE	CHIAO, T. T.	6 266
1969	EVALUATION OF HIGH-STRENGTH, HIGH-MODULUS BERYLLIUM OXIDE/GLASS FIBER	CHIAO, T. T. / LEWIS, A. / KIMPLE, R. F.	6 276
1970	A TENSILE TEST METHOD FOR FIBERS	CHIAO, T. T. / MOORE, R. L.	6 277
1971	STRESS-RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS	CHIAO, T. T. / MOORE, R. L.	6 284
1971	STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/EPOXY STRANDS	CHIAO, T. T. / MOORE, R. L.	6 285
1971	STUDY OF EPOXY RESINS FOR FIBER COMPOSITES	RICHARDSON, J. / MOORE, R. L. / CHIAO, T. T.	6 288
1972	STRENGTH RETENTION OF S-GLASS/EPOXY COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6 295
1972	FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS	CHIAO, T. T. / CUMMINS, A. D. / MOORE, R. L.	6 296
1972	ANALYSIS OF STRESS-RUPTURE DATA FROM S-GLASS COMPOSITES	ROBINSON, E. Y. / CHIAO, T. T.	6 298
1972	STRENGTH OF S-GLASS FIBER	CHIAO, T. T. / MOORE, R. L.	6 299
1972	STRESS RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS: TIME - BREAK-DATA.	CHIAO, T. T. / MOORE, R. L.	6 300
1972	STRESS-RUPTURE OF SIMPLE S-GLASS/EPOXY COMPOSITES	CHIAO, T. T. / LEPPER, J. K. / HETHERINGTON, N. W. / MOORE, R. L.	6 302
1972	TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX	CHIAO, T. T. / MOORE, R. L.	6 305
1972	FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL LOADING	CHIAO, T. T. / COMMINS, A. D.	6 308
1972	CHARACTERIZATION OF AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T. / ALTHOUSE, L. P.	6 309
1973	ORGANIC FIBER/EPOXIDE COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6 316
1973	FILAMENT-WOUND VESSEL FROM AN ORGANIC FIBER/EPOXY SYSTEM	CHIAO, T. T. / MARCON, M. A.	6 317
1973	STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T. / WELLS, J. E. / MOORE, R. L. / HAMSTAD, M. A.	6 318
1973	ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT-WOUND BOTTLES	HAMSTAD, M. A. / CHIAO, T. T.	6 320
1973	GRAPHITE FIBER/EPOXY COMPOSITES	CHIAO, T. T. / MOORE, R. L. / WALKUP, C. M.	6 321

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

CHIAO, T. T. (CONTD.)

1973	MATERIALS EVALUATION FOR 2XIIB MAGNET	CHIAO, T. T./ WALKUP, C. M./NEWHEY, H. A.	6	322
1973	FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN SYSTEM	CHIAO, T. T./ HAMSTAD, M. A./ MARCON, M. A./HANAFEE, JR.	6	323
1974	STRESS-RUPTURE BEHAVIOR OF GRAPHITE FIBER/EPOXY STRANDS	MOORE, R. L./ CHIAO, T. T./HAMSTAD, M. A.	6	324
1974	A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL	HAMSTAD, M. A./CHIAO, T. T.	6	333
1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A./CHIAO, T. T.	6	334
1974	A ROOM TEMPERATURE-CURABLE EPOXY FOR ADVANCED FIBER COMPOSITES	CHIAO, T. T./MOORE, R. L.	6	335
1974	ORGANIC FIBER/EPOXY PRESSURE VESSELS	CHIAO, T. T./ HAMSTAD, M. A./MARCON, M. A.	6	336
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6	337
1974	POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT	HAMSTAD, M. A./ CHIAO, T. T./JESSOP, E. S.	6	338
1974	FATIGUE PERFORMANCE OF METAL-LINED GRAPHITE/EPOXY VESSELS	HAMSTAD, M. A./ CHIAO, T. T. /PATTERSON, R.	6	339
1974	AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T./ JESSOP, E. S./NEWHEY, H. A.	6	340
1974	STRESS-RUPTURE OF EPOXY-COATED BE-WIRE	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6	342
1974	TENSILE PROPERTIES OF AN ULTRAHIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6	344
1974	A MODERATE-TEMPERATURE-CURABLE EPOXY FOR ADVANCED COMPOSITE	CHIAO, T. T./ JESSOP, E. S./NEWHEY, H. A.	6	345
1975	TESTING OF FIBER COMPOSITE MATERIALS	CHIAO, T. T./HAMSTAD, M. A.	6	348
1975	EVALUATION OF INTERLAMINAR SHEAR TEST FOR FIBER COMPOSITES	CHIAO, T. T./MOORE, R. L.	6	350
1975	HIGH PERFORMANCE VESSELS FROM AN AROMATIC POLYAMIDE FIBER/EPOXY COMPOSITE	CHIAO, T. T./HAMSTAD, M. A.	6	351
1975	CHEMICAL CHARACTERIZATION OF A HIGH-PERFORMANCE ORGANIC FIBER	PENN, LYNN/ NEWHEY, H. A./CHIAO, T. T.	6	352
1975	KEVLAR/EPOXY AND KEVLAR/GRAPHITE/EPOXY COMPOSITES FOR THE C-4 (TRIDENT) CHAMBER PROGRAM	CLEMENTS, L. L./ MOORE, R. L./ MONES, E. T./CHIAO, T. T.	6	353
1975	FATIGUE LIFE OF ORGANIC FIBER/EPOXY PRESSURE VESSELS	HAMSTAD, M. A./ CHIAO, T. T. /PATTERSON, R. G.	6	354
1975	SCREENING OF EPOXY SYSTEMS FOR HIGH-PERFORMANCE FILAMENT WINDING APPLICATIONS	CHIAO, T. T./ JESSOP, E. S./PENN, L. S.	6	355
1975	A LONG POT LIFE EPOXY SYSTEM FOR FILAMENT WINDING	PENN, L. S./CHIAO, T. T.	6	356
1975	PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER IN SEVERAL EPOXY MATRICES	CHIAO, T. T./ JESSOP, E. S./HAMSTAD, M. A.	6	357
1975	ELONGATED-RING SPECIMEN FOR TENSILE PROPERTIES OF FILAMENT-WOUND COMPOSITES	CLEMENTS, L. L./ MOORE, R. L./CHIAO, T. T.	6	358
1975	STRENGTH RETENTION AND LIFE OF FIBER COMPOSITE MATERIALS	CHIAO, T. T./ SHERRY, R. J.	6	361
1975	FIBER COMPOSITES FOR ENERGY STORAGE FLYWHEELS.	PENN, L. S./CHIAO, T. T.	6	362
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S./ CLEMENTS, L. L. / CHIAO, C. C.	6	364
1975	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	365
1975	FIBER EVALUATION FOR FLYWHEEL APPLICATIONS	PENN, L. S. / CHIAO, T. T.	1	52
1975	LLL PROGRAM FOR COMPOSITE FLYWHEEL	CHIAO, T. T. / STONE, R. G.	3	203
1975	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	367
1976	COMPOSITE MATERIALS FOR ENERGY STORAGE FLYWHEELS	CHIAO, T. T.	6	371
1976	CHARACTERIZATION OF A POLYAMIDE MATRIX FOR FIBER COMPOSITES	PENN, L. S. / MONES, E. T. / CHIAO, T. T.	6	372
1976	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	373
1976	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	374
1976	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	378
1976	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	379
1976	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	380
1976	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	382

CHIRONIS, N. P.

1971	SUPER FLYWHEEL CONFIGURATIONS FORM HEART OF MECHANICAL-POWERED DRIVES	CHIRONIS, N. P.	2	76
------	---	-----------------	---	----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

CHOPPER MOTOR DRIVE			
1973	APPLICATION OF TWO-PHASE DC CHOPPER MOTOR DRIVE	REIMERS, E.	2 95
CHOPPERS			
1975	NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	RAILWAY GAZETTE INTERNATIONAL	2 123
CHRISTENSEN, R. M.			
1963	SOME INTERESTING ASPECTS OF GENERAL LINEAR VISCOELASTIC DEFORMATION	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 254
1963	VIBRATION OF A 45-DEG. RIGHT TRIANGLE CANTILEVER PLATE BY A GRIDWORK METHOD.	CHRISTENSEN, R. M.	6 255
1964	AN EXPERIMENT FOR DETERMINATION OF THE MECHANICAL PROPERTY IN SHEAR FOR A LINEAR ISOTROPIC VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 256
1964	THE DYNAMIC RESPONSE OF A SOLID, VISCOELASTIC SPHERE TO TRANSLATIONAL AND ROTATIONAL EXCITATION.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 257
1965	RESPONSE TO PRESSURIZATION OF A VISCOELASTIC CYLINDER WITH AN ERODING INTERNAL BOUNDARY.	CHRISTENSEN, R. M. / SCHREINER, R. N.	1 5
1966	DEFORMATION OF AN ELASTIC SPHERICAL WEDGE.	CHRISTENSEN, R. M.	1 6
1966	PREDICTION OF THE TRANSIENT RESPONSE OF A LINEAR VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 260
1967	LARGE ELASTIC DEFORMATION OF A SPHERICAL WEDGE	CHRISTENSEN, R. M.	1 7
1967	APPLICATION OF THE METHOD OF TIME-DEPENDENT BOUNDARY CONDITIONS IN LINEAR VISCOELASTICITY.	CHRISTENSEN, R. M.	6 263
1967	LINEAR NON-ISOTHERMAL VISCOELASTIC SOLIDS	CHRISTENSEN, R. M. / NAGHDİ, P. M.	6 264
1968	ON OBTAINING SOLUTIONS IN NONLINEAR VISCOELASTICITY.	CHRISTENSEN, R. M.	6 268
1968	VARIATIONAL AND MINIMUM THEOREMS FOR THE LINEAR THEORY OF VISCOELASTICITY	CHRISTENSEN, R. M.	6 269
1969	VISCOELASTIC PROPERTIES OF HETEROGENEOUS MEDIA	CHRISTENSEN, R. M.	6 274
1971	THEORY OF VISCOELASTICITY: AN INTRODUCTION	CHRISTENSEN, R. M.	6 282
1972	EFFECTIVE STIFFNESS OF RANDOMLY ORIENTED FIBRE COMPOSITES	CHRISTENSEN, R. M. / WAALS, F. M.	6 292
1972	RESTRICTIONS UPON VISCOELASTIC RELAXATION FUNCTIONS AND COMPLEX MODULI.	CHRISTENSEN, R. M.	6 293
1973	A CRITICAL TEST FOR A CLASS OF NONLINEAR CONSTITUTIVE EQUATIONS	CHRISTENSEN, R. M. / VAN ES, H. E.	6 312
1973	A SPECIAL THEORY OF VISCOELASTIC FLUIDS FOR APPLICATION TO SUSPENSION.	CHRISTENSEN, R. M.	6 313
1973	ATTENUATION OF HARMONIC WAVES IN LAYERED MEDIA	CHRISTENSEN, R. M.	6 314
1974	WAVE PROPAGATION IN ELASTIC MEDIA WITH A PERIODIC ARRAY OF DISCRETE INCLUSIONS	CHRISTENSEN, R. M.	6 331
1976	A THERMODYNAMIC CRITERION FOR THE GLASS-TRANSITION TEMPERATURE.	CHRISTENSEN, R. M.	6 368
1976	THE EFFECTIVE MODULI OF COMPOSITES CONTAINING RANDOMLY ORIENTED FIBERS.	CHRISTENSEN, R. M.	6 369
1976	WAVE PROPAGATION IN LAYERED ELASTIC MEDIA	CHRISTENSEN, R. M.	6 370
CIRCUIT			
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228
1976	FERRO-RESONANT CIRCUIT FOR A NEW FLYWHEEL MOTOR GENERATOR	AALAND, K.	1 54
CIRCUIT DESIGN REPORT			
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228
CITY COLLEGE OF NEW YORK, DEPT. OF MECHANICAL ENGINEERING			
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S.	2 100
CLARE, T. A.			
1973	ANGULAR MOMENTUM AND THE AIRCRAFT-STORE SEPARATION PROBLEM	DANIELS, P. / CLARE, T. A.	1 24
CLEMENTS, L. L.			
1975	ENGINEERING DESIGN DATA FOR COMPOSITE MATERIALS	CLEMENTS, L. L.	6 347
1975	KEVLAR/EPOXY AND KEVLAR/GRAPHITE/EPOXY COMPOSITES FOR THE C-4 (TRIDENT) CHAMBER PROGRAM	CLEMENTS, L. L. / MOORE, R. L. / MONES, E. T. / CHIAO, T. T.	6 353

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

CLEMENTS, L. L. (CONTD.)			
1975	ELONGATED-RING SPECIMEN FOR TENSILE PROPERTIES OF FILAMENT-WOUND COMPOSITES	CLEMENTS, L. L. / MOORE, R. L. / CHIAO, T. T.	6 358
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6 384
COAL			
1974	ENERGY.VOLUME I.DEMANDS,RESOURCES,IMPACT,TECHNOLOGY,AND POLICY	PENNER, S. S. / ICERMAN, L.	5 243
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
COAL GASIFICATION			
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3 172
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
COAL LIQUEFACTION			
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
COAL MINING			
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
COLLECTION			
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3 204
COMBINED CYCLES			
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
COMBUSTION CHAMBERS			
1969	STUDY OF UNCONVENTIONAL THERMAL,MECHANICAL,AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70
COMBUSTION TURBINES			
1976	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5 251
COMEAU, G. E.			
1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3 182
COMMERCIAL FILAMENT WINDING			
1966	DESIGN FOR COMMERCIAL FILAMENT WINDING	CHIAO, T. T.	6 281
COMMINS, A.D.			
1972	FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL LOADING	CHIAO, T. T./COMMINS, A.D.	6 308
COMMUNICATION SATELLITE			
1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHN, F. J.	4 237

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

COMPARATIVE EVALUATIONS

1969	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2	60
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. / BATTELLE COLUMBUS LABS.	2	69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES		2	70
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2	86
1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3	162
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2	116
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	176

COMPARISON

1969	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2	60
------	--	----------------	---	----

COMPARISONS

1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5	242
1974	NO-BREAK SETS	MOODY, R. L.	3	167

COMPLEX MODULI

1972	RESTRICTIONS UPON VISCOELASTIC RELAXATION FUNCTIONS AND COMPLEX MODULI.	CHRISTENSEN, R. M.	6	293
------	---	--------------------	---	-----

COMPONENT

1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2	110
------	---	---------------------------------------	---	-----

COMPOSITE

1967	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P.	1	8
1968	OFF-AXIS TEST OF A COMPOSITE	WU, E. M. / THOMAS, R. L.	6	270
1972	EXPERIMENTAL INVESTIGATION OF FRACTURE IN AN ADVANCED FIBER COMPOSITE	KONISHI, H. J. / SWEDLOW, J. L. / CRUSE, T. A.	6	294
1972	FAILURE MODES IN IMPACT LOADED COMPOSITE MATERIALS	TOLAND, R. H.	6	301
1973	FAILURE CRITERIA AND FAILURE ANALYSIS OF COMPOSITE STRUCTURES	TOLAND, R. H. / VICARIO, A. A.	6	310
1973	INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE MATERIALS	TOLAND, R. H.	6	319
1973	FLYWHEELS	POST, R. F. / POST, S. F.	1	25
1974	THERMAL STRESSES IN COMPOSITE FLYWHEELS	REUTER, R. C. JR.	1	28
1974	FAILURE CRITERIA TO FRACTURE MODE ANALYSIS OF COMPOSITE MATERIALS	WU, E. M.	6	328
1974	PROBABILISTIC DESIGN OF COMPOSITE STRUCTURES	MAXWELL, R. / TOLAND, R. H. / JOHNSON, C. W.	6	329
1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A. / CHIAO, T. T.	6	334
1974	THE APPLICATION OF THREE DIMENSIONAL FINITE ELEMENT ANALYSIS TO THE MICRO-MECHANICS OF FIBROUS COMPOSITE MATERIALS	LARDER, R. A.	6	343
1974	A MODERATE-TEMPERATURE-CURABLE EPOXY FOR ADVANCED COMPOSITE MATERIALS	CHIAO, T. T. / JESSOP, E. S. / NEWHEY, H. A.	6	345
1974	ACOUSTIC EMISSION USES IN RESEARCH AND DEVELOPMENT OF COMPOSITE MATERIALS	HAMSTAD, M. A.	6	346
1975	ENGINEERING DESIGN DATA FOR COMPOSITE MATERIALS	CLEMENTS, L. L.	6	347
1975	TESTING OF FIBER COMPOSITE MATERIALS	CHIAO, T. T. / HAMSTAD, M. A.	6	348
1975	STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS.	LARDER, R. A.	6	349

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

COMPOSITE (CONTD.)

1975	HIGH PERFORMANCE VESSELS FROM AN AROMATIC POLYAMIDE FIBER/EPOXY COMPOSITE	CHIAO, T. T./HAMSTAD, M. A.	6	351
1975	HOLOGRAPHIC EXAMINATION OF A COMPOSITE PRESSURE VESSEL	MEYER, M.D./KATAYANAGI, T. E.	6	360
1975	STRENGTH RETENTION AND LIFE OF FIBER COMPOSITE MATERIALS	CHIAO, T. T./ SHERRY, R. J.	6	361
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S./ CLEMENTS, L. L. / CHIAO, C. C.	6	364
1975	LLL PROGRAM FOR COMPOSITE FLYWHEEL	CHIAO, T. T. / STONE, R. G.	3	203
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A.	1	53
1976	COMPOSITE MATERIALS FOR ENERGY STORAGE FLYWHEELS	CHIAO, T. T.	6	371
1976	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS	STONE, R. G.	1	57
1976	COMPOSITE FIBER FLYWHEEL FOR ENERGY STORAGE	RINDE, J. A.	1	59

COMPOSITE CENTERLESS FLYWHEEL

1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A.	1	53
------	--	-----------	---	----

COMPOSITE FIBER FLYWHEEL

1976	COMPOSITE FIBER FLYWHEEL FOR ENERGY STORAGE	RINDE, J. A.	1	59
------	---	--------------	---	----

COMPOSITE FIBERS

1970	NEW CONCEPTS IN MECHANICAL ENERGY STORAGE	RABENHORST, D. W.	1	12
------	---	-------------------	---	----

COMPOSITE FLYWHEEL

1967	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P.	1	8
1975	LLL PROGRAM FOR COMPOSITE FLYWHEEL	CHIAO, T. T. / STONE, R. G.	3	203

COMPOSITE FLYWHEEL STRESS

1967	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P.	1	8
------	--	-----------------------------------	---	---

COMPOSITE FLYWHEELS

1974	THERMAL STRESSES IN COMPOSITE FLYWHEELS	REUTER, R. C. JR.	1	28
------	---	-------------------	---	----

COMPOSITE MATERIALS

1964	THE UNIFORM-STRESS SPINNING FILAMENTARY DISK	KYSER, A. C.	1	3
1967	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P.	1	8
1969	FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE	SVENSSON, A. / WETHERBEE, A. E.	3	142
1972	FAILURE MODES IN IMPACT LOADED COMPOSITE MATERIALS	TOLAND, R. H.	6	301
1973	INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE MATERIALS	TOLAND, R. H.	6	319
1974	FAILURE CRITERIA TO FRACTURE MODE ANALYSIS OF COMPOSITE MATERIALS	WU, E. M.	6	328
1974	THERMAL STRESSES IN COMPOSITE FLYWHEELS	REUTER, R. C. JR.	1	28
1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A./CHIAO, T. T.	6	334
1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2	112
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6	337
1974	THE APPLICATION OF THREE DIMENSIONAL FINITE ELEMENT ANALYSIS TO THE MICRO-MECHANICS OF FIBROUS COMPOSITE MATERIALS	LARDER, R. A.	6	343
1974	ACOUSTIC EMISSION USES IN RESEARCH AND DEVELOPMENT OF COMPOSITE MATERIALS	HAMSTAD, M. A.	6	346
1975	ENGINEERING DESIGN DATA FOR COMPOSITE MATERIALS	CLEMENTS, L. L.	6	347
1975	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	1	43
1975	TESTING OF FIBER COMPOSITE MATERIALS	CHIAO, T. T./HAMSTAD, M. A.	6	348
1975	STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS.	LARDER, R. A.	6	349
1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3	198
1975	STRENGTH RETENTION AND LIFE OF FIBER COMPOSITE MATERIALS	CHIAO, T. T./ SHERRY, R. J.	6	361
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S./ CLEMENTS, L. L. / CHIAO, C. C.	6	364

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

COMPOSITE MATERIALS (CONTD.)

1975	LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C.	6	366
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2	132
1975	LLL PROGRAM FOR COMPOSITE FLYWHEEL	CHIAO, T. T. / STONE, R. G.	3	203
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A.	1	53
1976	COMPOSITE MATERIALS FOR ENERGY STORAGE FLYWHEELS	CHIAO, T. T.	6	371
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204

COMPOSITE PRESSURE VESSEL

1975	HOLOGRAPHIC EXAMINATION OF A COMPOSITE PRESSURE VESSEL	MEYER, M.D./KATAYANAGI, T. E.	6	360
------	--	-------------------------------	---	-----

COMPOSITE PROGRAM

1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6	384
1976	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS	STONE, R. G.	1	57

COMPOSITE STRUCTURES

1973	FAILURE CRITERIA AND FAILURE ANALYSIS OF COMPOSITE STRUCTURES	TOLAND, R. H./ VICARIO, A. A.	6	310
1974	PROBABILISTIC DESIGN OF COMPOSITE STRUCTURES	MAXWELL, R./ TOLAND, R. H./ JOHNSON, C. W.	6	329

COMPOSITES -

1973	THE EFFECT OF STRESS ON DIFFUSION IN COMPOSITES - EXPERIMENTAL OBSERVATIONS.	RUHMANN, D. C. / WU, E. M.	6	315
1974	STRESS RUPTURE OF GLASS/EPOXY COMPOSITES - ENVIRONMENT AND STRESS EFFECTS.	WU, E. M. / RUHMANN, D. C.	6	332

COMPOSITES - ENVIRONMENT

1974	STRESS RUPTURE OF GLASS/EPOXY COMPOSITES - ENVIRONMENT AND STRESS EFFECTS.	WU, E. M. / RUHMANN, D. C.	6	332
------	--	----------------------------	---	-----

COMPOSITES - EXPERIMENTAL

1973	THE EFFECT OF STRESS ON DIFFUSION IN COMPOSITES - EXPERIMENTAL OBSERVATIONS.	RUHMANN, D. C. / WU, E. M.	6	315
------	--	----------------------------	---	-----

COMPOSITES FOR ENERGY

1975	FIBER COMPOSITES FOR ENERGY STORAGE FLYWHEELS.	PENN, L. S./CHIAO, T. T.	6	362
------	--	--------------------------	---	-----

COMPOSITES IN SUPERFLYWHEEL

1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2	112
1975	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	1	43

COMPRESSED AIR

1974	ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A.L.	3	185
1974	ENERGY STORAGE TECHNOLOGY	VANDERRYN, J.	3	171
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	176
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZTRICK, P.A.	5	247
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	6	248
1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3	181
1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	ZLOTNICK, M.	3	190
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	189
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3	205
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.	6	252
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3	207

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

COMPRESSED AIR (CONTD.)

COMPRESSED AIR FLYWHEEL

1976 ENERGY STORAGE

AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL. 5 252

COMPRESSED AIR STORAGE

1974 ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT
 1974 POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS

KALHAMMER, F. 3 174
 KALHAMMER, F. / ZYGIELBAUM, P. S. 3 177

COMPRESSED AIR TURBINE

1975 TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES

SCHNEIDER, T. R. 3 191

COMPRESSION

1985 A FRACTURE CRITERION FOR ORTHOTROPIC PLATES UNDER THE INFLUENCE OF COMPRESSION AND SHEAR
 1971 FRACTURE CRITERIA FOR ORTHOTROPIC PLATE UNDER COMPRESSION AND SHEAR
 1974 ENERGY STORAGE. (1): USING ELECTRICITY MORE EFFICIENTLY
 1975 STORING ELECTRICAL ENERGY ON A LARGE SCALE

WU, E. M. 6 258
 WU, E. M. 6 281
 ROBINSON, A. L. 3 166
 GARDNER, G. C. / HART, A. B. / MOFFITT, R. D. / WRIGHT, J. 3 186

COMPRESSION AND SHEAR

1985 A FRACTURE CRITERION FOR ORTHOTROPIC PLATES UNDER THE INFLUENCE OF COMPRESSION AND SHEAR
 1971 FRACTURE CRITERIA FOR ORTHOTROPIC PLATE UNDER COMPRESSION AND SHEAR

WU, E. M. 6 258
 WU, E. M. 6 281

COMPRESSIVE STRENGTH

1973 MATERIALS EVALUATION FOR 2XIIB MAGNET

CHIAO, T. T. / WALKUP, C. M. / NEWHEY, H. A. 6 322

COMPUTER

1971 COMPUTER AIDED MECHANICAL TESTING OF COMPOSITES
 1974 COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH

WU, E. M. / JERINA, K. J. 6 286
 MIYAHARA, A. / BANNAI, E. / KITANO, Y. 3 158

COMPUTER CALCULATIONS

1971 FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM
 1972 HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT
 1974 COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH
 1974 STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES
 1975 INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT

MECHANICAL TECHNOLOGY, INC. 2 82
 CORDNER, M. A. / GRIMM, D. H. 2 86
 MIYAHARA, A. / BANNAI, E. / KITANO, Y. 3 158
 LAPEDES, D. E. / MELTZER, J. 2 118
 BEACHLEY, N. H. / FRANK, A. A. 2 128

COMPUTER CONTROLLED

1974 COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH

MIYAHARA, A. / BANNAI, E. / KITANO, Y. 3 158

COMPUTERS

1970 FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS

ORTIZ, J. V. 3 144

CONCENTRATIONS

1975 FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS

BINDIN, P. J. 1 40

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

CONCEPTS IN ENERGY			
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3 176
CONCEPTS IN MECHANICAL			
1970	NEW CONCEPTS IN MECHANICAL ENERGY STORAGE	RABENHORST, D. W.	1 12
CONCEPTUAL DESIGNS			
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 2: CONCEPTUAL DESIGNS	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4 232
CONDITIONING AND CONTROL			
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3 195
CONFERENCE			
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2 116
1974	NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	LUCCHINI, A. P.	5 246
CONFIGURATION			
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2 86
1974	MULTIRIM SUPERFLYWHEEL. TECHNICAL MEMO	RABENHORST, D. W.	1 33
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A.	1 53
CONSEQUENCES			
1972	DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)	BONNET-THIRION, C. J. / ROBIDA, L. / FOLDES, G.	1 21
CONSERVATION FACTORS			
1974	ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE	POST, R. F.	2 101
CONSERVING			
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3 209
CONSERVING CAPITAL			
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3 209
CONSTANT POWER SYSTEM			
1970	FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS	ORTIZ, J. V.	3 144
CONSTANT-POWER SYSTEM			
1970	FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS	ORTIZ, J. V.	3 144
CONSTANT-SPEED FLYWHEEL POWER			
1964	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2 62

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

CONSTANTLY APPLIED PERTURBATIONS

1968 FLYWHEEL STABILIZATION OF A RIGID BODY SUBJECTED TO CONSTANTLY APPLIED PERTURBATIONS	DERGACHEVA, E. I.	3 140
--	-------------------	-------

CONSTANTS

1973 DATA AVERAGING OF ANISOTROPIC MATERIAL CONSTANTS	WU, E. M. / JERINA, K. L./ LAVENGOOD, R. E.	6 311
---	--	-------

CONSTITUTIVE EQUATIONS

1973 A CRITICAL TEST FOR A CLASS OF NONLINEAR CONSTITUTIVE EQUATIONS	CHRISTENSEN, R. M. / VAN ES, H. E.	6 312
---	------------------------------------	-------

CONTAINMENT

1974 POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT	HAMSTAD, M. A. / CHIAO, T. T./JESSOP, E. S.	6 338
1975 SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180

CONTAINMENT SPRAY SYSTEMS

1975 THREE MILE ISLAND NUCLEAR STATION, UNIT 2. RO INSPECTION REPORT NO. 75-01 AND CORRESPONDENCE	METROPOLITAN EDISON CO.	3 182
--	-------------------------	-------

CONTROL

1971 MEASUREMENT AND CONTROL OF DYNAMIC CRACKS IN COMPOSITES.	BRISSEY, F. L. / WU, E. M.	6 280
1971 FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2 82
1973 CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228
1974 INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4 231
1974 INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 2: CONCEPTUAL DESIGNS	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4 232
1975 ESTIMATING THE VELOCITIES OF THE CONTROL FLYWHEELS OF A FREE GYROSTAT	LITVIN-SEDOV, M. Z.	1 39
1975 STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHNEIN, F. J.	4 237
1975 FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
1975 AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3 195
1975 DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)	NOTTI, J. E. / CORMACK, A.	4 240

CONTROL EQUIPMENT

1975 AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3 195
--	-------------------------	-------

CONTROL FLYWHEELS

1975 ESTIMATING THE VELOCITIES OF THE CONTROL FLYWHEELS OF A FREE GYROSTAT	LITVIN-SEDOV, M. Z.	1 39
---	---------------------	------

CONTROL MOMENT GYROS

1972 APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R.	4 224
---	--------------	-------

CONTROL OF DYNAMIC

1971 MEASUREMENT AND CONTROL OF DYNAMIC CRACKS IN COMPOSITES.	BRISSEY, F. L. / WU, E. M.	6 280
---	----------------------------	-------

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

CONTROL SYSTEM

1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4	231
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 2: CONCEPTUAL DESIGNS	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4	232
1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHNEIN, F. J.	4	237
1975	DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)	NOTTI, J. E. / CORMACK, A.	4	240

CONTROL SYSTEMS

1984	ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT	MARLOWE, E. W.	2	61
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2	86
1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3	158
1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2	106
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3	178
1975	HYBRID POWER SYSTEM	SUGIYAMA, H. / HIROTA, T. / KAKEI, J. / KABASAWA, Y.	2	129
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2	132

CONTROL UNIT

1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4	228
------	--	---------------	---	-----

CONTROLLED

1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H.	3	156
1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3	158

CONTROLLED FUSION EXPERIMENTS

1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H.	3	156
------	---	--	---	-----

CONVERSION

1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3	170
1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	ZLOTNICK, M.	3	190
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5	250
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELL, B. R.	3	195

CONVERSION AND STORAGE

1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELL, B. R.	3	195
------	---	------------------------	---	-----

CONVERSION SYSTEM

1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3	170
------	------------------------------	--------------	---	-----

CONVERSION SYSTEMS

1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	ZLOTNICK, M.	3	190
------	---	--------------	---	-----

COOLANT

1975	REACTOR COOLANT PUMP FLYWHEEL INTEGRITY	NUCLEAR REGULATORY COMM.	3	196
------	---	--------------------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

COOLANT CLEANUP SYSTEMS

1975 SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION

PUGET SOUND POWER AND LIGHT CO. 3 180

COOLANT PUMP FLYWHEEL

1975 REACTOR COOLANT PUMP FLYWHEEL INTEGRITY

NUCLEAR REGULATORY COMM. 3 196

COOLING SYSTEMS

1972 DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)

BONNET-THIRION, C.J./ROBIDA, L. 1 21
/FOLDES, G.

COOPER, V. R.

1975 ENERGY STORAGE

KALHAMMER, F. R. / COOPER, V. R. 3 181

CORDNER, M.A.

1972 HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT

CORDNER, M.A./GRIMM, D.H. 2 86

CORMACK, A.

1974 INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES
1974 INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 2: CONCEPTUAL DESIGNS
1975 DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION.
1975 DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)

NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C. 4 231
NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C. 4 232
CORMACK, A. / NOTTI, J. E. / RUIZ, M. L. 4 239
NOTTI, J. E. / CORMACK, A. 4 240

CORROSION

1975 FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3

ELECTRIC POWER RESEARCH INST. 3 192

COST

1969 STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES
1971 POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL
1971 FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM
1972 HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT
1973 FLYWHEELS
1973 DESIGN CONSIDERATIONS FOR A 100-MEGAJOULE/500-MEGAWATT SUPERFLYWHEEL
1974 ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS
1974 MULTIRIM SUPERFLYWHEEL. TECHNICAL MEMO
1974 STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES
1974 ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES
1975 STORING ELECTRICAL ENERGY ON A LARGE SCALE
1975 KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY

BATTELLE COLUMBUS LABS. 2 70
RABENHORST, D. W. 2 81
MECHANICAL TECHNOLOGY, INC. 2 82
CORDNER, M.A./GRIMM, D.H. 2 86
POST, R. F./POST, S. F. 1 26
RABENHORST, D. W. / TAYLOR, R. J. 1 26
BADER, C. / PLUST, H. G. 2 111
RABENHORST, D. W. 1 33
LAPEDES, D.E./MELTZER, J. 2 118
STERNLICHT, B./THUR, G.M. 2 119
GARDNER, G.C./HART, A.B./MOFFITT, R.D. 3 188
/WRIGHT, J.
SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J. 3 198

COST EFFECTIVENESS

1974 INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES

NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C. 4 231

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

COSTS			
1970	CUT SUBWAY POWER COSTS	NEW YORK CITY METROPOLITAN TRANSPORTATION AUTHORITY	2 74
COUPLED STANDBY POWER			
1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP.	3 149
CRACK			
1985	CRACK EXTENSION IN FIBERGLASS-REINFORCED PLASTICS	WU, E. M. / REUTER, R. C.	6 259
1988	DISCONTINUOUS MODE OF CRACK EXTENSION IN UNIDIRECTIONAL COMPOSITES	WU, E. M.	6 267
1989	SOME UNIQUE CRACK PROPAGATION PHENOMENA IN UNIDIRECTIONAL COMPOSITES AND THEIR MATHEMATICAL CHARACTERIZATION	WU, E. M.	6 272
CRACK PROPAGATION PHENOMENA			
1989	SOME UNIQUE CRACK PROPAGATION PHENOMENA IN UNIDIRECTIONAL COMPOSITES AND THEIR MATHEMATICAL CHARACTERIZATION	WU, E. M.	6 272
CRACKS IN COMPOSITES			
1971	MEASUREMENT AND CONTROL OF DYNAMIC CRACKS IN COMPOSITES.	BRISSEY, F. L. / WU, E. M.	6 280
CREEP RUPTURE TESTS			
1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A./CHIAO, T. T.	6 334
CRESWICK, F. A.			
1989	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW- POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A./CHEANEY, E. S./CRESWICK, F. A./TRAYSER, D. A./FISCHER, R. D. /TIMBERLAKE, A. B./BASHAM, S. J. /HERRIDGE, J. T. /WILCOX, J. P.	2 89
CRUSE, T. A.			
1972	EXPERIMENTAL INVESTIGATION OF FRACTURE IN AN ADVANCED FIBER COMPOSITE	KONISH, H. J. / SWEDLOW, J. L. / CRUSE, T. A.	6 294
CRYOGENIC APPLICATIONS			
1971	STUDY OF EPOXY RESINS FOR FIBER COMPOSITES	RICHARDSON, J. / MOORE, R. L./CHIAO, T. T.	6 288
CRYOGENICS			
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRICK, P. A.	5 247
CUMMINS, A. D.			
1972	FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS	CHIAO, T. T. / CUMMINS, A. D./MOORE, R. L.	6 296
CURE OF EPOXIES			
1972	CHARACTERIZATION OF AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T./ALTHOUSE, L. P.	6 309
CURRENT			
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS	AEROSPACE CORP.	2 113
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E./HINTON, M. G./MELTZER, J. /IURA, T./DYKEMA, O./FORREST, L./HAGEN, K./KETTLER, J./LAFRANCE, R./SMALLEY, W.	2 114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E./HINTON, M. G./MELTZER, J. /IURA, T.	2 115

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

CURRENT (CONTD.)				
1976	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187
CURTI, G.				
1974	ITERATIVE PROCEDURES FOR CALCULATING THE FIRST TORSIONAL EIGENFREQUENCY OF A SHAFT WITH SEVERAL FLYWHEELS	ATZORI, B. / CURTI, G.	1	31
CYCLE SYSTEMS				
1972	LOW PEAK TEMPERATURES AND HYDRODYNAMIC BEARINGS - KEY TO LONG LIFE ORGANIC RANKINE CYCLE SYSTEMS	BORETZ, J. E.	3	150
CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES				
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3	178
CYLINDER				
1965	RESPONSE TO PRESSURIZATION OF A VISCOELASTIC CYLINDER WITH AN ERODING INTERNAL BOUNDARY.	CHRISTENSEN, R. M. / SCHREINER, R. N.	1	5
D.C. MOTORS				
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2	118
DALE ELECTRIC OF GREAT BRITAIN, LTD				
1974	NO-BREAK SETS	MOODY, R. L.	3	187
DAMPER				
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A.	1	29
DAMPING				
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A.	1	29
DANIELS, P.				
1973	ANGULAR MOMENTUM AND THE AIRCRAFT-STORE SEPARATION PROBLEM	DANIELS, P. / CLARE, T. A.	1	24
DANN, R. T.				
1973	REVOLUTION IN FLYWHEELS	DANN, R. T.	1	23
DATA				
1972	ANALYSIS OF STRESS-RUPTURE DATA FROM S-GLASS COMPOSITES	ROBINSON, E. Y. / CHIAO, T. T.	6	298
1973	DATA AVERAGING OF ANISOTROPIC MATERIAL CONSTANTS	WU, E. M. / JERINA, K. L. / LAVENGOOD, R. E.	6	311
1975	ENGINEERING DESIGN DATA FOR COMPOSITE MATERIALS	CLEMENTS, L. L.	6	347
1976	RESEARCH LEADING TO THE PRODUCTION AND EARLY USE OF NUMERIC DATA BANKS OF MATERIAL PROPERTIES AND SYSTEM ANALYSES	HENRY, E. A.	1	58
DATA AVERAGING				
1973	DATA AVERAGING OF ANISOTROPIC MATERIAL CONSTANTS	WU, E. M. / JERINA, K. L. / LAVENGOOD, R. E.	6	311
DATA BANKS				
1976	RESEARCH LEADING TO THE PRODUCTION AND EARLY USE OF NUMERIC DATA BANKS OF MATERIAL PROPERTIES AND SYSTEM ANALYSES	HENRY, E. A.	1	58

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

DATA FOR COMPOSITE			
1976	ENGINEERING DESIGN DATA FOR COMPOSITE MATERIALS	CLEMENTS, L. L.	6 347
DATA FROM S-GLASS			
1972	ANALYSIS OF STRESS-RUPTURE DATA FROM S-GLASS COMPOSITES	ROBINSON, E. Y./CHIAO, T. T.	6 298
DAVIS, D. D.			
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.	DAVIS, D. D.	2 134
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.	DAVIS, D. D.	2 135
DC			
1959	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2 60
1970	MODIFICATION OF DC MOTOR WITH MAGNETICALLY SUSPENDED ROTOR	CAMBRIDGE THERMIONIC CORP., MASS.	1 11
1973	APPLICATION OF TWO-PHASE DC CHOPPER MOTOR DRIVE	REIMERS, E.	2 95
DEANE, C. T.			
1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2 106
DEFENSE DOCUMENTATION CENTER			
1976	FLYWHEELS, A REPORT BIBLIOGRAPHY	DEFENSE DOCUMENTATION CENTER	1 55
DEFORMATION			
1963	SOME INTERESTING ASPECTS OF GENERAL LINEAR VISCOELASTIC DEFORMATION	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 254
1966	DEFORMATION OF AN ELASTIC SPHERICAL WEDGE.	CHRISTENSEN, R. M.	1 6
1967	LARGE ELASTIC DEFORMATION OF A SPHERICAL WEDGE	CHRISTENSEN, R. M.	1 7
DELAMINATION			
1973	FLYWHEELS	POST, R. F./POST, S. F.	1 25
DEMAND FACTORS			
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRICK, P.A.	5 247
DEMANDS			
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 160
1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S./ICERMAN, L.	5 243
DEMONSTRATION			
1966	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	2 65
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4 212
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4 213
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4 214
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4 215
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4 216
1971	FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION. FINAL REPORT	GILBERT, R. R./HARVEY, J.R./HEUER, G. E./LAWSON, L. J.	2 77

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

DENDY, J. B.			
1975	MAGNETICALLY SUSPENDED LARGE MOMENTUM WHEEL	SABNIS, A. V. / DENDY, J. B. / SCHMITT, F. M.	4 238
DENSITY			
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2 79
DEPT. OF TRANSPORTATION			
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2 128
DERGACHEVA, E. I.			
1968	FLYWHEEL STABILIZATION OF A RIGID BODY SUBJECTED TO CONSTANTLY APPLIED PERTURBATIONS	DERGACHEVA, E. I.	3 140
DESCRIPTION			
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.	DAVIS, D. D.	2 134
DESIGN			
1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4 210
1964	ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT	MARLOWE, E. W.	2 81
1968	DESIGN FOR COMMERCIAL FILAMENT WINDING	CHIAO, T. T.	6 261
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70
1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3 143
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2 79
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2 82
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2 86
1972	FLYWHEEL DRIVE SYSTEMS STUDY. FINAL REPORT	GILBERT, R. R. / HEUER, G. E. / JACOBSEN, E. H. / KUHN, S. B. / LAWSON, L. J. / WADA, W. T.	2 87
1972	DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE TRUSS	BURNS, J. M. / TOLAND, R. H.	6 304
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228
1973	DESIGN CONSIDERATIONS FOR A 100-MEGAJOULE/500-MEGAWATT SUPERFLYWHEEL	RABENHORST, D. W. / TAYLOR, R. J.	1 26
1973	FLYWHEELS	POST, R. F. / POST, S. F.	1 25
1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3 157
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4 230
1974	PROBABILISTIC DESIGN OF COMPOSITE STRUCTURES	MAXWELL, R. / TOLAND, R. H. / JOHNSON, C. W.	6 329
1974	SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR	GULIA, N. V. / YUDOVSKII, I. D.	2 104
1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2 106
1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2 112
1974	ULTRAHIGH TEMPERATURE	RYLANDER, H. G. / WOODSON, H. H. / BECKER, E. B. / ROWBERG, R.	3 163
1974	DESIGN AND LUBRICATION OF BALL BEARING UNIT FOR FLYWHEELS	AUER, WERNER	4 233
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2 114
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2 118
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A. / KOTTMAYER, M. / SCHLUETER, W. / VAU, G.	3 173
1975	ENGINEERING DESIGN DATA FOR COMPOSITE MATERIALS	CLEMENTS, L. L.	6 347
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

DESIGN (CONTD.)

1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5	248
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	LEHMANN, E. J.	1	42
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2	124
1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L.	3	188
1975	HYBRID POWER SYSTEM	SUGIYAMA, H. / HIROTA, T. / KAKEI, J. / KABASAWA, Y.	2	129
1975	DESIGN AND DEVELOPMENT OF A MOMENTUM WHEEL WITH A MAINLY PASSIVE MAGNETIC BEARING FINAL REPORT	ESA	1	45
1975	DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION.	CORMACK, A. / NOTTI, J. E. / RUIZ, M. L.	4	239
1975	DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)	NOTTI, J. E. / CORMACK, A.	4	240
1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3	198
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	HABERCOM, G. E.	1	46
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A.	1	53
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.	DAVIS, D. D.	2	135

DESIGN AND ANALYSIS

1972	DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE TRUSS	BURNS, J. M. / TOLAND, R. H.	6	304
------	---	------------------------------	---	-----

DESIGN AND APPLICATIONS

1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	LEHMANN, E. J.	1	42
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	HABERCOM, G. E.	1	46

DESIGN AND DEVELOPMENT

1975	DESIGN AND DEVELOPMENT OF A MOMENTUM WHEEL WITH A MAINLY PASSIVE MAGNETIC BEARING FINAL REPORT	ESA	1	45
------	--	-----	---	----

DESIGN AND LUBRICATION

1974	DESIGN AND LUBRICATION OF BALL BEARING UNIT FOR FLYWHEELS	AUER, WERNER	4	233
------	---	--------------	---	-----

DESIGN AND MANUFACTURE

1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4	230
------	--	------------------	---	-----

DESIGN AND TEST

1975	DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION.	CORMACK, A. / NOTTI, J. E. / RUIZ, M. L.	4	239
------	---	--	---	-----

DESIGN AND TESTING

1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
1975	DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)	NOTTI, J. E. / CORMACK, A.	4	240

DESIGN CONSIDERATIONS

1973	DESIGN CONSIDERATIONS FOR A 100-MEGAJOULE/500-MEGAWATT SUPERFLYWHEEL	RABENHORST, D. W. / TAYLOR, R. J.	1	26
------	--	-----------------------------------	---	----

DESIGN DATA

1975	ENGINEERING DESIGN DATA FOR COMPOSITE MATERIALS	CLEMENTS, L. L.	6	347
------	---	-----------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

DESIGN FOR COMMERCIAL			
1986	DESIGN FOR COMMERCIAL FILAMENT WINDING	CHIAO, T. T.	6 281
DESIGN IMPROVEMENT			
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4 230
DESIGN OF COMPOSITE			
1974	PROBABILISTIC DESIGN OF COMPOSITE STRUCTURES	MAXWELL, R./ TOLAND, R. H./ JOHNSON, C. W.	6 329
DESIGN OF FLYWHEEL			
1974	A 150 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1 35
DESIGN REPORT			
1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3 143
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228
DESIGNS			
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 2: CONCEPTUAL DESIGNS	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4 232
DESULFURIZATION			
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
DETERMINING INERTIA			
1963	DETERMINING INERTIA AND TIME REQUIREMENTS FOR FLYWHEEL MACHINES	SPOTTS, M. F.	1 1
DEUTERIUM			
1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V.	3 194
DEUTSCHE AUTOMOBILGES DEUTSCHE AUTOMOBILGESELLSCHAFT MBH			
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2 111
DEVELOPING ADVANCED TECHNOLOGIES			
1974	ENERGY STORAGE. (11): DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A. L.	3 166
DEVELOPMENT			
1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J. C. / FRAZER, R. / RUBINSTEIN, N.	5 241
1974	TECHNICAL PROGRAM PLAN FOR SUPERFLYWHEEL DEVELOPMENT	RABENHORST, D. W.	1 27
1974	ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT	KALHAMMER, F.	3 174
1974	ACOUSTIC EMISSION USES IN RESEARCH AND DEVELOPMENT OF COMPOSITE MATERIALS	HAMSTAD, M. A.	6 346
1975	DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE	BROBECK, W. M. ASSOC.	1 44
1975	DESIGN AND DEVELOPMENT OF A MOMENTUM WHEEL WITH A MAINLY PASSIVE MAGNETIC BEARING FINAL REPORT	ESA	1 45
1975	DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE FINAL REPORT	GORDON, H. S.	3 193

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

DEVICE			
1967	FLYWHEEL INERTIA ACTUATES AUTOMATIC ANTI-SKID DEVICE	PRODUCT ENG.	2 67
1972	DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)	BONNET-THIRION, C.J./ROBIDA, L. /FOLDES, G.	1 21
1974	FLYWHEELS AS AN ENERGY STORAGE DEVICE, A SELECTED BIBLIOGRAPHY	LLL	1 30
1975	ENERGY STORAGE DEVICE	TIN, W.C.	3 189
DEVICES			
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3 205
DEVICES MAKE ECONOMIC			
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3 205
DIESEL ELECTRIC SETS			
1970	FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS	ORTIZ, J. V.	3 144
DIESEL ENGINES			
1970	FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS	ORTIZ, J. V.	3 144
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J.F. /PERINI, L.L.	2 80
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O.W./MORASH, R.T./BARBER, R. J.	3 159
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E./HINTON, M.G./MELTZER, J. /IURA, T.	2 115
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B./THUR, G.M.	2 119
DIFFUSION IN COMPOSITES			
1973	THE EFFECT OF STRESS ON DIFFUSION IN COMPOSITES - EXPERIMENTAL OBSERVATIONS.	RUHMANN, D. C. / WU, E. M.	6 315
DIGEST OF CURRENT			
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3 187
DIMENSIONAL FINITE ELEMENT			
1974	THE APPLICATION OF THREE DIMENSIONAL FINITE ELEMENT ANALYSIS TO THE MICRO-MECHANICS OF FIBROUS COMPOSITE MATERIALS	LARDER, R. A.	6 343
DIRECT CHARACTERIZATION PROCEDURE			
1974	LAMINATE STRENGTH - A DIRECT CHARACTERIZATION PROCEDURE	WU, E. M. / SCHUEBLEIN, J. K.	6 330
DIRECT ENERGY CONVERTERS			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J.A./CHEANEY, E.S./CRESWICK, F. A./TRAYSER, D.A./FISCHER, R.D. /TIMBERLAKE, A.B./BASHAM, S.J. /HERRIDGE, J.T. /WILCOX, J. P.	2 69
DISCONTINUOUS MODE			
1968	DISCONTINUOUS MODE OF CRACK EXTENSION IN UNIDIRECTIONAL COMPOSITES	WU, E. M.	6 267
DISCRETE			
1974	SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR	GULIA, N. V. / YUDOVSKII, I. D.	2 104
1974	WAVE PROPAGATION IN ELASTIC MEDIA WITH A PERIODIC ARRAY OF DISCRETE INCLUSIONS	CHRISTENSEN, R. M.	6 331

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

DISCRETE (CONTD.)

DISK				
1984	THE UNIFORM-STRESS SPINNING FILAMENTARY DISK	KYSER, A. C.	1	3
1973	STORED ENERGY IN A SPINNING DISK COULD ALLEVIATE THE ENERGY CRISIS	PRODUCT ENGINEERING	2	99
DISKS				
1972	CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING DISKS AND FLYWHEELS	KRITZER, R.	1	20
1975	ON OPTIMAL SHAPES FOR ANISOTROPIC ROTATING DISKS.	GERSTLE, F. P. / BIGGS, F.	1	47
DISTRIBUTION				
1975	STRENGTH DISTRIBUTION OF SINGLE FILAMENTS	LARDER, R. A./BEADLE, C. W.	6	359
DIVISION				
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192
1976	ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6	375
1976	ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6	381
DOUBLE GIMBALLED MOMENTUM				
1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHN, F. J.	4	237
DOUBLE-GIMBALLED MOMENTUM WHEEL				
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4	234
DRAILLRAD				
1971	THE DRAILLRAD: A FLYWHEEL FOR THE STABILIZATION OF SYNCHRONOUS SATELLITES	WEHDE, HEINZ	4	222
1973	ENVIRONMENTAL TESTS ON DRAILLRAD DR 20-8-ZKM	SCHULZ, HANS HOLGER	4	229
DRIVE				
1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3	143
1972	FLYWHEEL DRIVE SYSTEMS STUDY.FINAL REPORT	GILBERT, R. R./HEUER,G.E./JACOBSEN, E. H./KUHN, E.B./LAWSON, L. J./WADA, W. T.	2	87
1972	TWO NEW WEAPONS AGAINST AUTOMOTIVE AIR POLLUTION: THE HYDROSTATIC DRIVE AND THE FLYWHEEL-ELECTRIC LDV.	WHITLAW, R. L.	2	90
1973	APPLICATION OF TWO-PHASE DC CHOPPER MOTOR DRIVE	REIMERS, E.	2	95
1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2	106
1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2	110
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2	133
DRIVES				
1971	SUPER FLYWHEEL CONFIGURATIONS FORM HEART OF MECHANICAL-POWERED DRIVES	CHIRONIS, N. P.	2	76
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
DUDDY, J. H.				
1972	HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4	226

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

DUGGER, G. L.			
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J. F. /PERINI, L. L.	2 80
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L./BRANDT, A./GEORGE, J. F. /PERINI, L. L./RABENHORST, D. W. /SMALL, T. R./WEISS, R. O.	1 18
1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L.	3 188
DUNN, J. H.			
1972	SUMMARY OF GAS BEARING APPLICATIONS IN THE FIELD OF SPACE ELECTRIC POWER SYSTEMS	DUNN, J. H. / REAM, L. W.	4 223
DYKEMA, O.			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E./HINTON, M. G./MELTZER, J. /IURA, T./DYKEMA, O./FORREST, L./HAGEN, K./KETTLER, J./LAFRANCE, R./SMALLEY, W.	2 114
DYNAMIC			
1964	THE DYNAMIC RESPONSE OF A SOLID, VISCOELASTIC SPHERE TO TRANSLATIONAL AND ROTATIONAL EXCITATION.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 257
1971	MEASUREMENT AND CONTROL OF DYNAMIC CRACKS IN COMPOSITES.	BRISSEY, F. L. / WU, E. M.	6 280
1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2 110
1975	DYNAMIC BRAKING	KALRA, P.	2 125
DYNAMICS			
1973	DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR ARRAYS	PFEIFFER, F./POHL, A.	4 227
DYNAMICS CORP.			
1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP.	3 149
DYNAMOMETERS			
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R./FLEMING, R. D.	2 102
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E./MELTZER, J.	2 118
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B./THUR, G. M.	2 119
EARTH SALTS			
1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5 242
EASY HANDLING EPOXY			
1974	A ROOM TEMPERATURE-CURABLE EPOXY FOR ADVANCED FIBER COMPOSITES	CHIAO, T. T./MOORE, R. L.	6 335
ECONOMIC			
1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2 110
1974	CAN FLYWHEELS REPLACE PUMPED STORAGE?	GINSBURG, T.	3 189
1975	ECONOMIC AND TECHNICAL FEASIBILITY STUDY FOR ENERGY STORAGE FLYWHEELS	ROCKWELL INTERNATIONAL, SPACE DIV.	3 201
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3 205
ECONOMIC SENSE			
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3 205

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ECONOMICS

1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2	66
1972	THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE	RABENHORST, D. W.	1	19
1972	FLYWHEEL ENERGY BUFFER	JAKUBOWSKI, M.	3	151
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2	91
1973	FLYWHEELS	POST, R. F./POST, S. F.	1	25
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W./MORASH, R. T./BARBER, R. J.	3	159
1974	ENERGY VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S./ICERMAN, L.	5	243
1974	ENERGY STORAGE. (1): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3	165
1974	ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W. E.	3	188
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	176
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5	248
1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3	181
1975	ENERGY STORAGE BY FLYWHEELS	FULLMAN, R. L.	3	185
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G. C./HART, A. B./MOFFITT, R. D. /WRIGHT, J.	3	186
1975	HYBRID VEHICLES	VIVIAN, H. C.	2	131
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3	195
1976	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5	251
1976	ENERGY STORAGE	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3	208
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3	209

ECONOMICS TECHNOLOGY

1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3	191
------	---	------------------	---	-----

ECONOMY IN TRANSPORTATION

1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2	128
------	--	--------------------------------	---	-----

EDGAR, R. F.

1963	MAGNETIC BEARINGS FOR AEROSPACE APPLICATIONS	EDGAR, R. F. / ET AL.	4	211
------	--	-----------------------	---	-----

EFFECT

1967	THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF TWO ANGLE WOUND PIPE	CHIAO, T. T.	6	265
1971	THE EFFECT OF SOLVENTS AND STRESS ON THE STRESS RUPTURE LIFE OF EPOXY-GLASS COMPOSITES	RUHMANN, D. C. / WU, E. M.	6	283
1971	STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/EPOXY STRANDS	CHIAO, T. T./MOORE, R. L.	6	285
1973	THE EFFECT OF STRESS ON DIFFUSION IN COMPOSITES - EXPERIMENTAL OBSERVATIONS.	RUHMANN, D. C. / WU, E. M.	6	315
1974	GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES	GULIA, N. V. ET AL	2	105

EFFECTIVE MODULI

1976	THE EFFECTIVE MODULI OF COMPOSITES CONTAINING RANDOMLY ORIENTED FIBERS.	CHRISTENSEN, R. M.	6	369
------	---	--------------------	---	-----

EFFECTIVE STIFFNESS

1972	EFFECTIVE STIFFNESS OF RANDOMLY ORIENTED FIBRE COMPOSITES	CHRISTENSEN, R. M. / WAALS, F. M.	6	292
------	---	-----------------------------------	---	-----

EFFECTS

1974	STRESS RUPTURE OF GLASS/EPOXY COMPOSITES - ENVIRONMENT AND STRESS EFFECTS.	WU, E. M. / RUHMANN, D. C.	6	332
------	--	----------------------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

EFFICIENCY

1973	ACHIEVING HIGH ENERGY EFFICIENCY	INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE	3	152
1973	ENERGY STORAGE VIA FLYWHEELS	GILMAN, J. J. / HUCKE, E. E.	3	154
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H.	3	156
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W. / MORASH, R. T. / BARBER, R. J.	3	159
1974	ENERGY STORAGE. (1): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3	165
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	120
1974	NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	LUCCHINI, A. P.	5	246

EFFICIENT PEAKING SYSTEM

1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3	209
------	--	--	---	-----

EFFICIENTLY

1974	ENERGY STORAGE. (1): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3	165
------	---	-----------------	---	-----

EHV SYSTEMS

1974	ELECTRIC POWER SYSTEMS	ERDA	3	179
------	------------------------	------	---	-----

EIGENFREQUENCY

1974	ITERATIVE PROCEDURES FOR CALCULATING THE FIRST TORSIONAL EIGENFREQUENCY OF A SHAFT WITH SEVERAL FLYWHEELS	ATZORI, B. / CURTI, G.	1	31
------	--	------------------------	---	----

EIGENFREQUENCY CALCULATIONS

1974	ITERATIVE PROCEDURES FOR CALCULATING THE FIRST TORSIONAL EIGENFREQUENCY OF A SHAFT WITH SEVERAL FLYWHEELS	ATZORI, B. / CURTI, G.	1	31
------	--	------------------------	---	----

ELASTIC DEFORMATION

1967	LARGE ELASTIC DEFORMATION OF A SPHERICAL WEDGE	CHRISTENSEN, R. M.	1	7
------	--	--------------------	---	---

ELASTIC MEDIA

1974	WAVE PROPAGATION IN ELASTIC MEDIA WITH A PERIODIC ARRAY OF DISCRETE INCLUSIONS	CHRISTENSEN, R. M.	6	331
1976	WAVE PROPAGATION IN LAYERED ELASTIC MEDIA	CHRISTENSEN, R. M.	6	370

ELASTIC SPHERICAL WEDGE

1966	DEFORMATION OF AN ELASTIC SPHERICAL WEDGE.	CHRISTENSEN, R. M.	1	6
------	--	--------------------	---	---

ELECTRIC

1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2	83
1971	ELECTRIC ROAD VEHICLE	CALVERT, W. L.	2	84
1972	SUMMARY OF GAS BEARING APPLICATIONS IN THE FIELD OF SPACE ELECTRIC POWER SYSTEMS	DUNN, J. H. / REAM, L. W.	4	223
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2	91
1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C.	2	92
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S.	2	100
1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3	162
1974	ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W. E.	3	168
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3	172
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	176
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3	177

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ELECTRIC (CONTD.)

1974	ELECTRIC POWER SYSTEMS	ERDA	3	179
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, P. J.	3	205
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.	DAVIS, D. D.	2	134
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.	DAVIS, D. D.	2	135

ELECTRIC BATTERIES

1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2	83
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	180
1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2	108
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2	111
1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3	182
1974	ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3	165
1974	ENERGY STORAGE. (II): DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A. L.	3	166
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2	114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2	115
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2	119
1974	STORAGE OF HIGH-GRADE ENERGY	MCALLAN, J. V.	5	245
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	176
1974	ELECTRIC POWER SYSTEMS	ERDA	3	179
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5	248
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G. C. / HART, A. B. / MOFFITT, R. D. / WRIGHT, J.	3	186
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5	250
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3	207

ELECTRIC GENERATORS

1970	FLYWHEEL GENERATORS FOR INSTANT POWER	ASHMOLE, P. H.	3	145
1971	ELECTRIC ROAD VEHICLE	CALVERT, W. L.	2	84
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H.	3	156
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W. / MORASH, R. T. / BARBER, R. J.	3	159
1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2	108
1974	ULTRAHIGH TEMPERATURE	RYLANDER, H. G. / WOODSON, H. H. / BECKER, E. B. / ROWBERG, R.	3	163
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	120
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	NOBLOCH, A. / KOTTMAIR, M. / SCHLUETER, W. / VAU, G.	3	173
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS	GILBERT, J. S. / KERN, E. A.	3	183

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ELECTRIC GENERATORS (CONTD.)

1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2	132
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3	207

ELECTRIC MOTORS

1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C.	2	92
1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2	106
1974	ULTRAHIGH TEMPERATURE	RYLANDER, H. G. / WOODSON, H. H. / BECKER, E. B. / ROWBERG, R.	3	163
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2	132

ELECTRIC POWER

1972	SUMMARY OF GAS BEARING APPLICATIONS IN THE FIELD OF SPACE ELECTRIC POWER SYSTEMS	DUNN, J. H. / REAM, L. W.	4	223
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W. / MORASH, R. T. / BARBER, R. J.	3	159
1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3	162
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
1974	ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W. E.	3	168
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3	172
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3	178
1974	ELECTRIC POWER SYSTEMS	ERDA	3	179
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J.	2	122
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G. C. / HART, A. B. / MOFFITT, R. D. / WRIGHT, J.	3	186
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187
1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3	198
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.	DAVIS, D. D.	2	134
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.	DAVIS, D. D.	2	135

ELECTRIC POWER GENERATION

1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204
------	--	-----------	---	-----

ELECTRIC POWER INDUSTRY

1974	ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W. E.	3	168
------	--	---------------	---	-----

ELECTRIC POWER NEEDS

1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3	162
------	--	---------------	---	-----

ELECTRIC POWER RESEARCH INST.

1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3	181
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFEE, R. I.	5	250

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ELECTRIC POWER RESEARCH INST., PALO ALTO, CALIFORNIA		KALHAMMER, F. R. / SCHNEIDER, T. R.	5	251
1976	ENERGY STORAGE			
ELECTRIC POWER SYSTEM				
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.	DAVIS, D. D.	2	134
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.	DAVIS, D. D.	2	135
ELECTRIC POWER SYSTEMS				
1972	SUMMARY OF GAS BEARING APPLICATIONS IN THE FIELD OF SPACE ELECTRIC POWER SYSTEMS	DUNN, J. H. / REAM, L. W.	4	223
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3	172
1974	ELECTRIC POWER SYSTEMS	ERDA	3	179
ELECTRIC POWER TECHNOLOGY				
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
ELECTRIC PROPULSION				
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2	91
ELECTRIC ROAD VEHICLE				
1971	ELECTRIC ROAD VEHICLE	CALVERT, W.L.	2	84
ELECTRIC STORAGE DEVICES				
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3	205
ELECTRIC UTILITY INDUSTRY				
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187
ELECTRIC UTILITY SYSTEMS				
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	176
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3	177
ELECTRIC VEHICLE				
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2	83
1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C.	2	92
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S.	2	100
ELECTRIC VEHICLE COUNCIL				
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2	83
ELECTRIC VEHICLES				
1976	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5	251
ELECTRIC-DRIVE				
1974	ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE	POST, R.F.	2	101
ELECTRIC-DRIVE AUTOMOBILE				
1974	ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE	POST, R.F.	2	101

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ELECTRIC-FLYWHEEL VEHICLES

1975 HYBRID VEHICLES	VIVIAN, H. C.	2	131
----------------------	---------------	---	-----

ELECTRIC-POWERED VEHICLES

1970 SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2	75
1971 PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2	83
1974 SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2	103
1974 BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2	106
1974 ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2	111
1974 CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E. / HINTON, M.G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2	114
1974 CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E. / HINTON, M.G. / MELTZER, J. / IURA, T.	2	115
1974 ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G.M.	2	119
1975 DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187

ELECTRICAL

1974 ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2	111
1975 STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G.C. / HART, A.B. / MOFFITT, R.D. / WRIGHT, J.	3	186
1975 PROPOSED TFTR ELECTRICAL SYSTEM	BRONNER, G. / MURRAY, J.	3	200

ELECTRICAL EQUIPMENT

1975 SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3	180
---	---------------------------------	---	-----

ELECTRICAL SYSTEM

1975 PROPOSED TFTR ELECTRICAL SYSTEM	BRONNER, G. / MURRAY, J.	3	200
--------------------------------------	--------------------------	---	-----

ELECTRICAL-ENERGY STORAGE

1975 ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5	248
-----------------------------	-----------------------------	---	-----

ELECTRICALLY RUN

1959 COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2	80
---	----------------	---	----

ELECTRICITY

1970 HIGH-SPEED ENERGY WHEEL OFFERS TROLLEYS PORTABLE ELECTRICITY	PRODUCT ENGINEERING	2	72
1974 ENERGY STORAGE. (1): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A.L.	3	185
1975 KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3	198
1978 ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3	207

ELECTRICITY-SAVING

1974 FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2	108
--	-----------------	---	-----

ELECTRO-MECHANICAL ENERGY STORAGE

1981 AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4	210
--	-------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ELECTRODES

1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V.	3	194
------	---	-----------	---	-----

ELECTROMAGNETS

1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4	210
1974	ENERGY STORAGE.(11):.DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON,A.L.	3	166

ELEMENT

1974	THE APPLICATION OF THREE DIMENSIONAL FINITE ELEMENT ANALYSIS TO THE MICRO-MECHANICS OF FIBROUS COMPOSITE MATERIALS	LARDER, R. A.	6	343
1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P.J.	1	40
1975	STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS.	LARDER, R. A.	6	349

ELONGATED-RING SPECIMEN

1975	ELONGATED-RING SPECIMEN FOR TENSILE PROPERTIES OF FILAMENT-WOUND COMPOSITES	CLEMENTS, L. L./ MOORE, R. L./CHIAO, T. T.	6	358
------	---	--	---	-----

EMERGENCY PUMP SYSTEMS

1968	EMERGENCY PUMP SYSTEMS ARE BOOTSTRAPS TO POWER	PRODUCT ENG.	3	141
------	--	--------------	---	-----

EMISSION

1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2	75
1971	EVALUATION OF HYBRID HEAT ENGINE/ELECTRIC SYSTEMS FOR LOW EXHAUST EMISSION POTENTIAL IN AUTOMOTIVE APPLICATIONS	LAPEDES,D.E./MELTZER,J.	2	78
1972	ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES	HAMSTAD, M. A.	6	306
1972	ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES	HAMSTAD, M. A.	6	307
1973	ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT-WOUND BOTTLES	HAMSTAD, M. A./CHIAO, T. T.	6	320
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP,J.R./FLEMING,R.D.	2	102
1974	A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL	HAMSTAD, M. A./CHIAO, T. T.	6	333
1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A./CHIAO, T. T.	6	334
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6	337
1974	ACOUSTIC EMISSION USES IN RESEARCH AND DEVELOPMENT OF COMPOSITE MATERIALS	HAMSTAD, M. A.	6	346

ENERGY

1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4	210
1964	ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT	MARLOWE, E. W.	2	61
1966	SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT FLYWHEEL PACKAGE	NAVAL ORDNANCE STATION, FOREST PARK, ILL.	2	64
1966	ENERGY STORING MASS AND METHOD FOR MAKING	CALL, B. J.	3	138
1966	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	2	65
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	212
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	213
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	214
1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2	66
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	215
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4	216

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ENERGY (CONTD.)

1969	WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSEY, C. W.	4	217
1969	PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL	RABENHORST, D. W.	2	68
1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3	143
1970	HIGH-SPEED ENERGY WHEEL OFFERS TROLLEYS PORTABLE ELECTRICITY	PRODUCT ENGINEERING	2	72
1970	NEW CONCEPTS IN MECHANICAL ENERGY STORAGE	RABENHORST, D. W.	1	12
1970	PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL	RABENHORST, D. W.	1	14
1970	ACHIEVEMENTS AND PROSPECTS IN THE UTILIZATION OF KINETIC ENERGY	GROSU, S. I.	3	146
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
1972	APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R.	4	224
1972	THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE	RABENHORST, D. W.	1	19
1972	INERTIAL ENERGY STORAGE APPARATUS AND SYSTEM FOR UTILIZING THE SAME	POST, R. F. / POST, S. F.	2	88
1972	APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J.	2	89
1972	FLYWHEEL ENERGY BUFFER	JAKUBOWSKI, M.	3	151
1973	ACHIEVING HIGH ENERGY EFFICIENCY	INTER SOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE	3	152
1973	INERTIAL ENERGY STORAGE APPARATUS	POST, S. F.	2	96
1973	ENERGY STORAGE VIA FLYWHEELS	GILMAN, J. J. / HUCKE, E. E.	3	154
1973	KINETIC ENERGY STORAGE: A 'NEW' PROPULSION ALTERNATIVE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	98
1973	STORED ENERGY IN A SPINNING DISK COULD ALLEVIATE THE ENERGY CRISIS	PRODUCT ENGINEERING	2	99
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3	155
1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3	157
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S.	2	100
1974	ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE	POST, R. F.	2	101
1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2	103
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W. / MORASH, R. T. / BARBER, R. J.	3	159
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	160
1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5	243
1974	KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE	BAXTER, J. W. / LAWSON, L. J.	2	107
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY- SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2	108
1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2	112
1974	FLYWHEELS AS AN ENERGY STORAGE DEVICE, A SELECTED BIBLIOGRAPHY	LLL	1	30
1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3	162
1974	ENERGY CRISIS	BECCU, K. D.	3	164
1974	ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3	165
1974	ENERGY STORAGE. (II): DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A. L.	3	166
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
1974	ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W. E.	3	168
1974	ENERGY STORAGE TECHNOLOGY	VANDERRYN, J.	3	171
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H. / TORRES, F.	2	117
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	120
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3	172
1974	STORAGE OF HIGH-GRADE ENERGY	MALLAN, J. V.	5	245
1974	ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT	KALHAMMER, F.	3	174
1974	USE OF FLYWHEELS FOR ENERGY STORAGE	RABENHORST, D. W.	3	175
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	176
1974	FLYWHEEL ENERGY SYSTEMS	BIGGS, F.	1	37
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3	177

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

1974	NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	LUCCHINI, A. P.	5	246
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J.	2	122
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZTRICK, P. A.	5	247
1975	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	1	43
1975	NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	RAILWAY GAZETTE INTERNATIONAL	2	123
1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3	181
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS	GILBERT, J. S. / KERN, E. A.	3	183
1975	UTILITIES EYE LARGE-SCALE ENERGY STORAGE	RICCI, L. J.	3	184
1975	ENERGY STORAGE BY FLYWHEELS	FULLMAN, R. L.	3	185
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G. C. / HART, A. B. / MOFFITT, R. D. / WRIGHT, J.	3	186
1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L.	3	188
1975	ENERGY STORAGE DEVICE	TIN, W. C.	3	189
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2	128
1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	ZLOTNICK, M.	3	190
1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3	191
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5	250
1975	DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION.	CORMACK, A. / NOTTI, J. E. / RUIZ, M. L.	4	239
1975	DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)	NOTTI, J. E. / CORMACK, A.	4	240
1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3	198
1975	FIBER COMPOSITES FOR ENERGY STORAGE FLYWHEELS.	PENN, L. S. / CHIAO, T. T.	6	362
1975	ECONOMIC AND TECHNICAL FEASIBILITY STUDY FOR ENERGY STORAGE FLYWHEELS	ROCKWELL INTERNATIONAL, SPACE DIV.	3	201
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204
1976	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5	251
1976	COMPOSITE MATERIALS FOR ENERGY STORAGE FLYWHEELS	CHIAO, T. T.	6	371
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2	133
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.	5	252
1976	ENERGY STORAGE	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3	208
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3	209
1976	ENERGY AND TECHNOLOGY REVIEW (MONTHLY PROGRESS REPORT 6/76)	SELDEN, R. W.	5	253
1976	COMPOSITE FIBER FLYWHEEL FOR ENERGY STORAGE	RINDE, J. A.	1	59
ENERGY AND ANGULAR				
1972	APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R.	4	224
ENERGY AND TECHNOLOGY				
1976	ENERGY AND TECHNOLOGY REVIEW (MONTHLY PROGRESS REPORT 6/76)	SELDEN, R. W.	5	253
ENERGY BUFFER				
1972	FLYWHEEL ENERGY BUFFER	JAKUBOWSKI, M.	3	151
ENERGY CATAPULT FLYWHEEL				
1968	SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT FLYWHEEL PACKAGE	NAVAL ORDNANCE STATION, FOREST PARK, ILL.	2	64
ENERGY COLLECTION				
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ENERGY CONFERENCE		
1974	NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	LUCCHINI, A. P. 5 246
ENERGY CONSERVATION		
1974	ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE	POST, R.F. 2 101
1974	ENERGY CRISIS	BECCU, K. D. 3 164
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G.M. 2 119
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J. 2 122
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZTRICK, P.A. 5 247
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R.I. 5 250
ENERGY CONSUMPTION		
1974	NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	LUCCHINI, A. P. 5 246
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J. 2 122
ENERGY CONVERSION		
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O.W. / MORASH, R.T. / BARBER, R. J. 3 169
1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L. 5 243
1974	ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A.L. 3 165
1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	ZLOTNICK, M. 3 190
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R.I. 5 250
ENERGY CRISIS		
1973	STORED ENERGY IN A SPINNING DISK COULD ALLEVIATE THE ENERGY CRISIS	PRODUCT ENGINEERING 2 99
1974	ENERGY CRISIS	BECCU, K. D. 3 164
ENERGY DENSITY FLYWHEELS		
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J. 2 79
ENERGY EFFICIENCY		
1973	ACHIEVING HIGH ENERGY EFFICIENCY	INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE 3 152
ENERGY FLYWHEEL		
1975	DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)	NOTTI, J. E. / CORMACK, A. 4 240
ENERGY FOR ELECTRICITY-SAVING		
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P. 2 108
ENERGY FROM OTEC		
1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L. 3 188
ENERGY GENERATION		
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R.I. 5 250
ENERGY LOSSES		
1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J. 3 198

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ENERGY MANAGEMENT

1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2 128
------	--	--------------------------------	-------

ENERGY ON CALL

1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3 209
------	--	---	-------

ENERGY PEAKING DEMANDS

1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 180
------	--	-----	-------

ENERGY POLICY

1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRICK, P.A.	5 247
------	--	----------------	-------

ENERGY PROPULSION

1972	APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J.	2 89
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S.	2 100

ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION, AND LAWRENCE LIVERMORE LABORATORY

1975	1975 FLYWHEEL TECHNOLOGY SYMPOSIUM	ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION, AND LAWRENCE LIVERMORE LABORATORY	1 50
------	------------------------------------	---	------

ENERGY ROTARY DRIVE

1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3 143
------	--	---------------	-------

ENERGY SHORTAGES

1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2 120
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFEE, R. I.	5 250

ENERGY SOURCES

1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2 120
1974	NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	LUCCHINI, A. P.	5 248
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRICK, P.A.	5 247
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFEE, R. I.	5 250

ENERGY STORAGE

1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4 210
1964	ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT	MARLOWE, E. W.	2 81
1966	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	2 65
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4 212
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4 213
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4 214
1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2 66
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4 215
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4 216
1969	WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4 217

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ENERGY STORAGE (CONTD.)

1969	PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL	RABENHORST, D. W.	2	68
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2	70
1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3	143
1970	FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS	ORTIZ, J. V.	3	144
1970	FLYWHEEL GENERATORS FOR INSTANT POWER	ASHMOLE, P. H.	3	145
1970	MODIFICATION OF DC MOTOR WITH MAGNETICALLY SUSPENDED ROTOR	CAMBRIDGE THERMIONIC CORP., MASS.	1	11
1970	NEW CONCEPTS IN MECHANICAL ENERGY STORAGE	RABENHORST, D. W.	1	12
1970	PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL	RABENHORST, D. W.	1	14
1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.-31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J.C. / FRAZER, R. / RUBINSTEIN, N.	5	241
1971	FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION.FINAL REPORT	GILBERT, R. R./HARVEY, J.R./HEUER, G. E./LAWSON, L. J.	2	77
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J.F. /PERINI, L.L.	2	80
1971	POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2	81
1971	ELECTRIC ROAD VEHICLE	CALVERT, W.L.	2	84
1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP.	3	149
1972	THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE	RABENHORST, D. W.	1	19
1972	FLYWHEEL DRIVE SYSTEMS STUDY.FINAL REPORT	GILBERT, R. R./HEUER, G.E./JACOBSEN, E. H./KUHN, E.B./LAWSON, L. J./WADA, W. T.	2	87
1972	INERTIAL ENERGY STORAGE APPARATUS AND SYSTEM FOR UTILIZING THE SAME	POST, R. F. / POST, S. F.	2	88
1972	FLYWHEEL ENERGY BUFFER	JAKUBOWSKI, M.	3	151
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2	91
1973	SUPERFLYWHEEL	RABENHORST, D. W.	3	153
1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C.	2	92
1973	IS THERE A FLYWHEEL IN YOUR FUTURE	LAWSON, L. J.	2	94
1973	INERTIAL ENERGY STORAGE APPARATUS	POST, S. F.	2	96
1973	ENERGY STORAGE VIA FLYWHEELS	GILMAN, J.J. / HUCKE, E.E.	3	154
1973	HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL TIME TRANSPORTATION	LINDSLEY, E. F.	2	97
1973	KINETIC ENERGY STORAGE: A 'NEW' PROPULSION ALTERNATIVE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	98
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3	155
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H.G./ROWBERG, R.E./TOLK, K.M. /WELDON, W.F./WOODSON, H.H.	3	156
1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3	157
1973	FLYWHEELS	POST, R. F./POST, S. F.	1	25
1973	DESIGN CONSIDERATIONS FOR A 100-MEGAJOULE/500-MEGAWATT SUPERFLYWHEEL	RABENHORST, D. W. / TAYLOR, R. J.	1	28
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	160
1974	THERMAL STRESSES IN COMPOSITE FLYWHEELS	REUTER, R. C. JR.	1	28
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A.	1	29
1974	ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE	POST, R.F.	2	101
1974	SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR	GULIA, N. V. / YUDOVSKII, I. D.	2	104
1974	GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES	GULIA, N. V. ET AL	2	105
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O.W./MORASH, R.T./BARBER, R. J.	3	159
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4	230
1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHRÖEDER, J.	5	242
1974	NEW MOMENTUM FOR NUCLEAR FUSION. IN THE MAX-PLANCK-INSTITUT IN MUENCHEN, A NEW PHASE OF PLASMA RESEARCH HAS BEGUN	BRUNS, K.	3	161
1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2	110

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. /PLUST, H. G.	2	111
1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2	112
1974	FLYWHEELS AS AN ENERGY STORAGE DEVICE, A SELECTED BIBLIOGRAPHY	LLL	1	30
1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3	162
1974	ULTRAHIGH TEMPERATURE	RYLANDER, H. G. /WOODSON, H. H. /BECKER, E. B. /ROWBERG, R.	3	163
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4	231
1974	ENERGY CRISIS	BECCU, K. D.	3	164
1974	ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3	165
1974	ENERGY STORAGE. (II): DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A. L.	3	166
1974	NO-BREAK SETS	MOODY, R. L.	3	167
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
1974	ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W. E.	3	168
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. /HINTON, M. G. /MELTZER, J. /IURA, T. /DYKEMA, O. /FORREST, L. /HAGEN, K. /KETTLER, J. /LAFRANCE, R. /SMALLEY, W. GINSBURG, T.	2	114
1974	CAN FLYWHEELS REPLACE PUMPED STORAGE?	RABENHORST, D. W.	3	169
1974	MULTIRIM SUPERFLYWHEEL. TECHNICAL MEMO	TROLL, J. H.	1	33
1974	WIND POWER CONVERSION SYSTEM	VANDERRYN, J.	3	170
1974	ENERGY STORAGE TECHNOLOGY	SCHRECK, H. /TORRES, F.	3	171
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	LAWSON, L. J.	2	117
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	HAYDOCK, J. L.	2	120
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	STERNLICHT, B. /THUR, G. M.	3	172
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	KNOBLOCH, A. /KOTTMAIR, M. /SCHLUETER, W. /VAU, G.	2	119
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KALHAMMER, F.	3	173
1974	ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT	RABENHORST, D. W.	3	174
1974	USE OF FLYWHEELS FOR ENERGY STORAGE	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	175
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3	176
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	LAMPE, D.	3	177
1974	SUPERFLYWHEEL: THE BATTERY THAT SPINS	BIGGS, F.	1	36
1974	FLYWHEEL ENERGY SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	1	37
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	LUCCHINI, A. P.	3	178
1974	NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	ERDA	5	246
1974	ELECTRIC POWER SYSTEMS	LAWSON, L. J.	3	179
1975	THE KINETIC ENERGY WHEEL	PETZRIK, P. A.	2	122
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PENNER, S. S. / ICERMAN, L.	5	247
1975	ENERGY-STORAGE SYSTEMS	RABENHORST, D. W.	5	248
1975	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RAILWAY GAZETTE INTERNATIONAL	1	43
1975	NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	2	123
1975	ENERGY STORAGE	GILBERT, J. S. /KERN, E. A.	3	181
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS	RICCI, L. J.	3	183
1975	UTILITIES EYE LARGE-SCALE ENERGY STORAGE	FULLMAN, R. L.	3	184
1975	ENERGY STORAGE BY FLYWHEELS	KALRA, P.	3	185
1975	DYNAMIC BRAKING	RABENHORST, D. W. / DUGGER, G. L.	2	125
1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	TIN, W. C.	3	186
1975	ENERGY STORAGE DEVICE	HERONEMUS, W. E.	3	189
1975	WIND POWER	ZLOTNICK, M.	5	249
1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	SCHNEIDER, T. R.	3	190
1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	ELECTRIC POWER RESEARCH INST.	3	191
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	JAFFEE, R. I.	3	192
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	VIVIAN, H. C.	5	250
1975	HYBRID VEHICLES	WOOD, P. / PELLY, B. R.	2	131
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	CORMACK, A. / NOTTI, J. E. / RUIZ, M. L.	3	195
1975	DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION.		4	239

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3	198
1975	FIBER COMPOSITES FOR ENERGY STORAGE FLYWHEELS.	PENN, L. S./CHIAO, T. T.	6	362
1975	ON OPTIMAL SHAPES FOR ANISOTROPIC ROTATING DISKS.	GERSTLE, P. P. / BIGGS, F.	1	47
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S./ CLEMENTS, L. L. / CHIAO, C. C.	6	364
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
1975	AN IMPROVED ROTATABLE MASS FOR A FLYWHEEL	WEYLER, GEORGE M. JR. PATENT APPLICATION 14 NOV 1975	1	51
1975	PROPOSED TFTR ELECTRICAL SYSTEM	BRONNER, G. / MURRAY, J.	3	200
1975	ECONOMIC AND TECHNICAL FEASIBILITY STUDY FOR ENERGY STORAGE FLYWHEELS	ROCKWELL INTERNATIONAL, SPACE DIV.	3	201
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2	132
1975	LLL PROGRAM FOR COMPOSITE FLYWHEEL	CHIAO, T. T. / STONE, R. G.	3	203
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A.	1	53
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204
1976	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5	251
1976	COMPOSITE MATERIALS FOR ENERGY STORAGE FLYWHEELS	CHIAO, T. T.	6	371
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.	5	252
1976	MECHANICAL CAPACITOR	KIRK, JAMES A. / STUDER, PHILIP A. / EVANS, HAROLD E.	3	206
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3	207
1976	ENERGY STORAGE	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3	208
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3	209
1976	COMPOSITE FIBER FLYWHEEL FOR ENERGY STORAGE	RINDE, J. A.	1	59
ENERGY STORAGE APPARATUS				
1972	INERTIAL ENERGY STORAGE APPARATUS AND SYSTEM FOR UTILIZING THE SAME	POST, R. F. / POST, S. F.	2	88
1973	INERTIAL ENERGY STORAGE APPARATUS	POST, S. F.	2	96
ENERGY STORAGE COMPARISON				
1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3	191
ENERGY STORAGE DEVICE				
1974	FLYWHEELS AS AN ENERGY STORAGE DEVICE, A SELECTED BIBLIOGRAPHY	LLL	1	30
1975	ENERGY STORAGE DEVICE	TIN, W.C.	3	189
ENERGY STORAGE FLYWHEELS				
1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3	181
1975	FIBER COMPOSITES FOR ENERGY STORAGE FLYWHEELS.	PENN, L. S./CHIAO, T. T.	6	362
1975	ECONOMIC AND TECHNICAL FEASIBILITY STUDY FOR ENERGY STORAGE FLYWHEELS	ROCKWELL INTERNATIONAL, SPACE DIV.	3	201
1976	COMPOSITE MATERIALS FOR ENERGY STORAGE FLYWHEELS	CHIAO, T. T.	6	371
ENERGY STORAGE R & D				
1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3	181
ENERGY STORAGE SUBSTATIONS				
1966	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	2	65
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	212
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	213

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ENERGY STORAGE SUBSTATIONS (CONTD.)

1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	214
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	215
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4	216

ENERGY STORAGE SYSTEMS

1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2	66
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	160
1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2	112
1975	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	1	43
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS	GILBERT, J.S./KERN, E.A.	3	183

ENERGY STORAGE SYSTEM

1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4	210
1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3	157

ENERGY STORAGE TECHNOLOGY

1974	ENERGY STORAGE TECHNOLOGY	VANDERRYN, J.	3	171
------	---------------------------	---------------	---	-----

ENERGY STORAGE TECHNOLOGIES

1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3	191
------	---	------------------	---	-----

ENERGY STORAGE UNIT

1969	WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4	217
1975	DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION.	CORMACK, A. / NOTTI, J. E. / RUIZ, M. L.	4	239

ENERGY STORE

1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2	133
------	---	--------------------------	---	-----

ENERGY STORING MASS

1966	ENERGY STORING MASS AND METHOD FOR MAKING	CALL, B. J.	3	138
------	---	-------------	---	-----

ENERGY SUPPLIES

1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O.W./MORASH, R.T./BARBER, R. J.	3	159
------	--	---	---	-----

ENERGY SYSTEMS

1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O.W./MORASH, R.T./BARBER, R. J.	3	159
1974	KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE	BAXTER, J. W. / LAWSON, L. J.	2	107
1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3	162
1974	FLYWHEEL ENERGY SYSTEMS	BIGGS, F.	1	37

ENERGY TECHNOLOGY

1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRICK, P.A.	5	247
------	--	----------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ENERGY WHEEL			
1970	HIGH-SPEED ENERGY WHEEL OFFERS TROLLEYS PORTABLE ELECTRICITY	PRODUCT ENGINEERING	2 72
1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2 103
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J.	2 122
ENERGY WHEELS			
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3 155
ENERGY, PRE-20TH CENTURY			
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3 199
ENERGY-SAVING			
1976	FLYWHEELS: ENERGY-SAVING WAY TO GO	ENVIRONMENTAL SCIENCE AND TECHNOLOGY	2 137
ENERGY-STORAGE SYSTEMS			
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5 248
ENGINE			
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2 79
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J. F. /PERINI, L. L.	2 80
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2 82
1973	HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL TIME TRANSPORTATION	LINDSLEY, E. F.	2 97
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H./TORRES, F.	2 117
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E./MELTZER, J.	2 118
1976	FLYWHEELS - PRACTICAL FLYWHEEL ENGINE: WILL FIBER GLASS BE THE ANSWER?	IL BUS W	2 136
ENGINE-FLYWHEEL HYBRIDS			
1971	LIFT FOR THE AUTO: ENGINE-FLYWHEEL HYBRIDS	MCCAULL, J.	2 85
ENGINEER			
1969	BEARING SUPPORT FLYWHEEL	ENGINEER	1 10
ENGINEERED SAFETY SYSTEMS			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
ENGINEERING			
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3 178
1975	ENGINEERING DESIGN DATA FOR COMPOSITE MATERIALS	CLEMENTS, L. L.	6 347
ENGINES			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A./CHEANEY, E. S./CRESWICK, F. A./TRAYSER, D. A./FISCHER, R. D. /TIMBERLAKE, A. B./BASHAM, S. J. /HERRIDGE, J. T. /WILCOX, J. P.	2 69
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2 75
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E./HINTON, M. G./MELTZER, J. /IURA, T.	2 115
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B./THUR, G. M.	2 119

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ENGINES (CONTD.)		
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J. 2 124
ENV IMPACT ASSESSMENT		
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL. 5 252
ENVIRONMENT		
1972	APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J. 2 89
1974	STRESS RUPTURE OF GLASS/EPOXY COMPOSITES - ENVIRONMENT AND STRESS EFFECTS.	WU, E. M. / RUHMANN, D. C. 6 332
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I. 5 250
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL. 5 252
ENVIRONMENT VEHICLES		
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J. 2 122
ENVIRONMENTAL EFFECTS		
1974	ENERGY STORAGE. (1): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L. 3 165
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J. 2 120
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R. 3 176
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J. 2 122
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI 3 187
ENVIRONMENTAL SCIENCE AND TECHNOLOGY		
1976	FLYWHEELS: ENERGY-SAVING WAY TO GO	ENVIRONMENTAL SCIENCE AND TECHNOLOGY 2 137
ENVIRONMENTAL TESTS		
1973	ENVIRONMENTAL TESTS ON DRALLRAD DR 20-6-ZKM	SCHULZ, HANS HOLGER 4 229
EPOXIDES		
1975	LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C. 6 366
EPOXY		
1971	STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/EPOXY STRANDS	CHIAO, T. T./MOORE, R. L. 6 285
1971	STUDY OF EPOXY RESINS FOR FIBER COMPOSITES	RICHARDSON, J. / MOORE, R. L./CHIAO, T. T. 6 288
1972	FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS	CHIAO, T. T./ CUMMINS, A. D./MOORE, R. L. 6 296
1972	DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE TRUSS	BURNS, J. M. / TOLAND, R. H. 6 304
1972	TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX	CHIAO, T. T./MOORE, R. L. 6 305
1972	CHARACTERIZATION OF AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T./ALHOUSE, L. P. 6 309
1974	A ROOM TEMPERATURE-CURABLE EPOXY FOR ADVANCED FIBER COMPOSITES	CHIAO, T. T./MOORE, R. L. 6 335
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S. 6 337
1974	AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T./ JESSOP, E. S./NEWHEY, H. A. 6 340
1974	TENSILE PROPERTIES OF AN ULTRAHIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S. 6 344
1974	A MODERATE-TEMPERATURE-CURABLE EPOXY FOR ADVANCED COMPOSITE	CHIAO, T. T./ JESSOP, E. S./NEWHEY, H. A. 6 345
1975	HIGH PERFORMANCE VESSELS FROM AN AROMATIC POLYAMIDE FIBER/EPOXY COMPOSITE	CHIAO, T. T./HAMSTAD, M. A. 6 351
1975	SCREENING OF EPOXY SYSTEMS FOR HIGH-PERFORMANCE FILAMENT WINDING APPLICATIONS	CHIAO, T. T./ JESSOP, E. S./PENN, L. S. 6 355

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

EPOXY (CONTD.)

1975	A LONG POT LIFE EPOXY SYSTEM FOR FILAMENT WINDING	PENN, L. S./CHIAO, T. T.	6	356
1975	PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER IN SEVERAL EPOXY MATRICES	CHIAO, T. T./ JESSOP, E. S./HAMSTAD, M. A.	6	357
1975	EPOXY RESINS FOR FLYWHEEL APPLICATIONS.	RINDE, J. A.	1	48

EPOXY COMPOSITE

1975	HIGH PERFORMANCE VESSELS FROM AN AROMATIC POLYAMIDE FIBER/EPOXY COMPOSITE	CHIAO, T. T./HAMSTAD, M. A.	6	351
------	---	-----------------------------	---	-----

EPOXY MATRICES

1975	PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER IN SEVERAL EPOXY MATRICES	CHIAO, T. T./ JESSOP, E. S./HAMSTAD, M. A.	6	357
------	---	--	---	-----

EPOXY MATRIX

1972	TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX	CHIAO, T. T./MOORE, R. L.	6	305
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6	337
1974	TENSILE PROPERTIES OF AN ULTRAHIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6	344

EPOXY RESINS

1971	STUDY OF EPOXY RESINS FOR FIBER COMPOSITES	RICHARDSON, J./ MOORE, R. L./CHIAO, T. T.	6	288
1974	STRAIN MEASUREMENT TECHNIQUES FOR FIBER MODULUS DETERMINATION	MOORE, R. L. / LEPPER, J. K.	6	325
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6	337
1975	EPOXY RESINS FOR FLYWHEEL APPLICATIONS.	RINDE, J. A.	1	48

EPOXY SATELLITE TRUSS

1972	DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE TRUSS	BURNS, J. M./ TOLAND, R. H.	6	304
------	---	-----------------------------	---	-----

EPOXY STRANDS

1971	STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/EPOXY STRANDS	CHIAO, T. T./MOORE, R. L.	6	285
------	--	---------------------------	---	-----

EPOXY SYSTEM

1972	CHARACTERIZATION OF AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T./ALTHOUSE, L. P.	6	309
1974	AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T./ JESSOP, E. S./NEWBY, H. A.	6	340
1975	A LONG POT LIFE EPOXY SYSTEM FOR FILAMENT WINDING	PENN, L. S./CHIAO, T. T.	6	356

EPOXY SYSTEMS

1975	SCREENING OF EPOXY SYSTEMS FOR HIGH-PERFORMANCE FILAMENT WINDING APPLICATIONS	CHIAO, T. T./ JESSOP, E. S./PENN, L. S.	6	355
------	---	---	---	-----

EPOXY TENSILE SPECIMENS

1972	FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS	CHIAO, T. T./ CUMMINS, A. D./MOORE, R. L.	6	296
------	--	---	---	-----

EPOXY-COATED BE-WIRE

1974	STRESS-RUPTURE OF EPOXY-COATED BE-WIRE	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6	342
------	--	--	---	-----

EPOXY-GLASS COMPOSITES

1971	THE EFFECT OF SOLVENTS AND STRESS ON THE STRESS RUPTURE LIFE OF EPOXY-GLASS COMPOSITES	RUHMANN, D. C. / WU, E. M.	6	283
------	--	----------------------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

EPRI			
1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3 181
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3 187
EQUATIONS			
1973	A CRITICAL TEST FOR A CLASS OF NONLINEAR CONSTITUTIVE EQUATIONS	CHRISTENSEN, R. M. / VAN ES, H. E.	6 312
EQUIPMENT			
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2 116
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3 195
ERDA			
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5 244
1974	ELECTRIC POWER SYSTEMS	ERDA	3 179
1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	ZLOTNICK, M.	3 190
ERDA, DIV. OF CONSERVATION RESEARCH AND TECHNOLOGY.			
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3 199
ERODING INTERNAL BOUNDARY			
1965	RESPONSE TO PRESSURIZATION OF A VISCOELASTIC CYLINDER WITH AN ERODING INTERNAL BOUNDARY.	CHRISTENSEN, R. M. / SCHREINER, R. N.	1 5
EROSION			
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
ESA			
1975	DESIGN AND DEVELOPMENT OF A MOMENTUM WHEEL WITH A MAINLY PASSIVE MAGNETIC BEARING FINAL REPORT	ESA	1 45
ESB, INC.			
1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C.	2 92
ESTIMATED DEMAND			
1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5 243
ESTIMATING THE VELOCITIES			
1975	ESTIMATING THE VELOCITIES OF THE CONTROL FLYWHEELS OF A FREE GYROSTAT	LITVIN-SEDOI, M. Z.	1 39
ETHANOL			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2 116
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2 119
EUTECTIC FLUORIDE MIXTURES			
1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5 242

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

EVALUATION

1964	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2	62
1969	EVALUATION OF HIGH-STRENGTH, HIGH-MODULUS BERYLLIUM OXIDE/GLASS FIBER	CHIAO, T. T. / LEWIS, A. / KIMPLE, R. F.	6	276
1971	EVALUATION OF HYBRID HEAT ENGINE/ELECTRIC SYSTEMS FOR LOW EXHAUST EMISSION POTENTIAL IN AUTOMOTIVE APPLICATIONS	LAPEDES, D. E. / MELTZER, J.	2	78
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2	86
1973	MATERIALS EVALUATION FOR 2XIIB MAGNET	CHIAO, T. T. / WALKUP, C. M. / NEWAY, H. A.	6	322
1975	EVALUATION OF INTERLAMINAR SHEAR TEST FOR FIBER COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6	350
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
1975	FIBER EVALUATION FOR FLYWHEEL APPLICATIONS	PENN, L. S. / CHIAO, T. T.	1	52

EVANS, HAROLD E.

1976	MECHANICAL CAPACITOR	KIRK, JAMES A. / STUDER, PHILIP A. / EVANS, HAROLD E.	3	206
------	----------------------	---	---	-----

EVERETT, W. D.

1964	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2	62
------	--	---	---	----

EXAMINATION

1975	HOLOGRAPHIC EXAMINATION OF A COMPOSITE PRESSURE VESSEL	MEYER, M. D. / KATAYANAGI, T. E.	6	360
------	--	----------------------------------	---	-----

EXCAVATORS

1971	OPERATING LARGE EXCAVATORS ON SMALL POWER SYSTEMS	KILGORE, L. A. / WASHBURN, D. C.	3	148
------	---	----------------------------------	---	-----

EXCHANGE ACQUISITION SYSTEM

1967	MOMENTUM EXCHANGE ACQUISITION SYSTEM, FINAL REPORT	FISCHER, WM. A.	3	139
------	--	-----------------	---	-----

EXCITATION

1964	THE DYNAMIC RESPONSE OF A SOLID, VISCOELASTIC SPHERE TO TRANSLATIONAL AND ROTATIONAL EXCITATION.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6	257
------	--	--	---	-----

EXHAUST EMISSION POTENTIAL

1971	EVALUATION OF HYBRID HEAT ENGINE/ELECTRIC SYSTEMS FOR LOW EXHAUST EMISSION POTENTIAL IN AUTOMOTIVE APPLICATIONS	LAPEDES, D. E. / MELTZER, J.	2	78
------	---	------------------------------	---	----

EXHAUST GASES

1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2	70
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2	75
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L.	2	80
1972	FLYWHEEL DRIVE SYSTEMS STUDY, FINAL REPORT	GILBERT, R. R. / HEUER, G. E. / JACOBSEN, E. H. / KUHN, E. B. / LAWSON, L. J. / WADA, W. T.	2	87
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R. / FLEMING, R. D.	2	102
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2	119
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2	124
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2	128

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

EXPERIMENT

1984	AN EXPERIMENT FOR DETERMINATION OF THE MECHANICAL PROPERTY IN SHEAR FOR A LINEAR ISOTROPIC VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6	256
1972	STRENGTH TENSORS AND THEIR INVARIANTS - THEORY AND EXPERIMENT	WU, E. M.	6	291
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204

EXPERIMENTAL

1984	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2	62
1986	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	2	65
1987	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	212
1987	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	213
1987	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	214
1987	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	215
1987	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4	216
1972	EXPERIMENTAL INVESTIGATION OF FRACTURE IN AN ADVANCED FIBER COMPOSITE	KONISH, H. J. / SWEDLOW, J. L. / CRUSE, T. A.	6	294
1972	OPTIMAL EXPERIMENTAL MEASUREMENT OF ANISOTROPIC FAILURE TENSORS	WU, E. M.	6	297
1973	THE EFFECT OF STRESS ON DIFFUSION IN COMPOSITES - EXPERIMENTAL OBSERVATIONS.	RUHMANN, D. C. / WU, E. M.	6	315

EXPERIMENTS

1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H.	3	156
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A. / KOTTMAYER, M. / SCHLUETER, W. / VAU, G.	3	173
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2	132

EXTERNAL PRESSURE

1967	THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF TWO ANGLE WOUND PIPE	CHIAO, T. T.	6	265
------	--	--------------	---	-----

FABRICATION AND TESTING

1972	FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS	CHIAO, T. T. / CUMMINS, A. D. / MOORE, R. L.	6	296
------	--	--	---	-----

FACILITY FOR NUCLEAR

1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3	158
------	---	--	---	-----

FACTORS

1974	ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE	POST, R. F.	2	101
------	---	-------------	---	-----

FAILURE ANALYSIS

1973	FAILURE CRITERIA AND FAILURE ANALYSIS OF COMPOSITE STRUCTURES	TOLAND, R. H. / VICARIO, A. A.	6	310
------	---	--------------------------------	---	-----

FAILURE CRITERIA

1973	FAILURE CRITERIA AND FAILURE ANALYSIS OF COMPOSITE STRUCTURES	TOLAND, R. H. / VICARIO, A. A.	6	310
1974	FAILURE CRITERIA TO FRACTURE MODE ANALYSIS OF COMPOSITE MATERIALS	WU, E. M.	6	328

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FAILURE CRITERION			
1974	PHENOMENOLOGICAL ANISOTROPIC FAILURE CRITERION	WU, E. M.	6 326
FAILURE DETECTION			
1974	A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL	HAMSTAD, M. A./CHIAO, T. T.	6 333
FAILURE MODES			
1972	FAILURE MODES IN IMPACT LOADED COMPOSITE MATERIALS	TOLAND, R. H.	6 301
FAILURE PROCESSES			
1972	KINETIC FAILURE PROCESSES OF POLYMERS	WU, E. M. / HALPIN, J. C.	6 290
FAILURE TENSORS			
1972	OPTIMAL EXPERIMENTAL MEASUREMENT OF ANISOTROPIC FAILURE TENSORS	WU, E. M.	6 297
FAILURES			
1975	REACTOR COOLANT PUMP FLYWHEEL INTEGRITY	NUCLEAR REGULATORY COMM.	3 196
FATIGUE			
1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A./CHIAO, T. T.	6 334
1974	FATIGUE PERFORMANCE OF METAL-LINED GRAPHITE/EPOXY VESSELS	HAMSTAD, M. A./ CHIAO, T. T. /PATTERSON, R.	6 339
1975	FATIGUE LIFE OF ORGANIC FIBER/EPOXY PRESSURE VESSELS	HAMSTAD, M. A./ CHIAO, T. T. /PATTERSON, R. G.	6 354
FATIGUE RESISTANCE			
1974	POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT	HAMSTAD, M. A./ CHIAO, T. T./JESSOP, E. S.	6 338
FATIGUE TEST			
1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A./CHIAO, T. T.	6 334
FEASIBILITY			
1969	FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE	SVENSSON, A. / WETHERBEE, A. E.	3 142
1971	FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION.FINAL REPORT	GILBERT, R. R./HARVEY, J.R./HEUER, G. E./LAWSON, L. J.	2 77
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2 82
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4 231
1975	ECONOMIC AND TECHNICAL FEASIBILITY STUDY FOR ENERGY STORAGE FLYWHEELS	ROCKWELL INTERNATIONAL, SPACE DIV.	3 201
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3 204
FEASIBILITY STUDIES			
1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2 66
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J.A./CHEANEY, E.S./CRESWICK, F. A./TRAYSER, D.A./FISCHER, R.D. /TIMBERLAKE, A.B./BASHAM, S.J. /HERRIDGE, J.T. /WILCOX, J. P.	2 69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70
1971	FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION.FINAL REPORT	GILBERT, R. R./HARVEY, J.R./HEUER, G. E./LAWSON, L. J.	2 77

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FEASIBILITY STUDIES (CONTD.)

1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2	82
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2	86
1972	FLYWHEEL DRIVE SYSTEMS STUDY. FINAL REPORT	GILBERT, R. R. / HEUER, G. E. / JACOBSEN, E. H. / KUHN, S. B. / LAWSON, L. J. / WADA, W. T.	2	87
1973	ENERGY STORAGE VIA FLYWHEELS	GILMAN, J. J. / HUCKE, E. E.	3	154
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4	231
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L.	3	188

FEASIBILITY STUDY

1971	FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION. FINAL REPORT	GILBERT, R. R. / HARVEY, J. R. / HEUER, G. E. / LAWSON, L. J.	2	77
1975	ECONOMIC AND TECHNICAL FEASIBILITY STUDY FOR ENERGY STORAGE FLYWHEELS	ROCKWELL INTERNATIONAL, SPACE DIV.	3	201
1978	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204

FEDERAL DRIVING CYCLE

1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2	86
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2	119

FEEDING WIND-GENERATED ELECTRICITY

1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3	207
------	---	-------------	---	-----

FEEDWATER

1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3	180
------	--	---------------------------------	---	-----

FEEDWATER HEATERS

1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G. C. / HART, A. B. / MOFFITT, R. D. / WRIGHT, J.	3	186
------	--	--	---	-----

FERNANDES, R. A.

1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	176
------	---	---	---	-----

FERRO-RESONANT CIRCUIT

1976	FERRO-RESONANT CIRCUIT FOR A NEW FLYWHEEL MOTOR GENERATOR	AALAND, K.	1	54
------	---	------------	---	----

FIBER COMPARISON

1973	GRAPHITE FIBER/EPOXY COMPOSITES	CHIAO, T. T. / MOORE, R. L. / WALKUP, C. M.	6	321
------	---------------------------------	---	---	-----

FIBER COMPOSITE

1972	EXPERIMENTAL INVESTIGATION OF FRACTURE IN AN ADVANCED FIBER COMPOSITE	KONISH, H. J. / SWEDLOW, J. L. / CRUSE, T. A.	6	294
1973	INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE MATERIALS	TOLAND, R. H.	6	319
1973	FLYWHEELS	POST, R. F. / POST, S. F.	1	25
1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A. / CHIAO, T. T.	6	334
1975	TESTING OF FIBER COMPOSITE MATERIALS	CHIAO, T. T. / HAMSTAD, M. A.	6	348

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FIBER COMPOSITE (CONTD.)

1975	STRENGTH RETENTION AND LIFE OF FIBER COMPOSITE MATERIALS	CHIAO, T. T. / SHERRY, R. J.	6	361
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6	364
1976	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS	STONE, R. G.	1	57

FIBER COMPOSITES

1966	DESIGN FOR COMMERCIAL FILAMENT WINDING	CHIAO, T. T.	6	261
1967	THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF TWO ANGLE WOUND PIPE	CHIAO, T. T.	6	265
1969	EVALUATION OF HIGH-STRENGTH, HIGH-MODULUS BERYLLIUM OXIDE/GLASS FIBER	CHIAO, T. T. / LEWIS, A. / KIMPLE, R. F.	6	276
1970	A TENSILE TEST METHOD FOR FIBERS	CHIAO, T. T. / MOORE, R. L.	6	277
1971	STRESS-RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS	CHIAO, T. T. / MOORE, R. L.	6	284
1971	STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/EPOXY STRANDS	CHIAO, T. T. / MOORE, R. L.	6	285
1971	STUDY OF EPOXY RESINS FOR FIBER COMPOSITES	RICHARDSON, J. / MOORE, R. L. / CHIAO, T. T.	6	288
1972	STRENGTH RETENTION OF S-GLASS/EPOXY COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6	295
1972	FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS	CHIAO, T. T. / CUMMINS, A. D. / MOORE, R. L.	6	296
1972	ANALYSIS OF STRESS-RUPTURE DATA FROM S-GLASS COMPOSITES	ROBINSON, E. Y. / CHIAO, T. T.	6	298
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L. / RABENHORST, D. W. / SMALL, T. R. / WEISS, R. O.	1	18
1972	STRENGTH OF S-GLASS FIBER	CHIAO, T. T. / MOORE, R. L.	6	299
1972	STRESS RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS: TIME - BREAK-DATA.	CHIAO, T. T. / MOORE, R. L.	6	300
1972	STRESS-RUPTURE OF SIMPLE S-GLASS/EPOXY COMPOSITES	CHIAO, T. T. / LEPPER, J. K. / HETHERINGTON, N. W. / MOORE, R. L.	6	302
1972	TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX	CHIAO, T. T. / MOORE, R. L.	6	305
1972	FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL LOADING	CHIAO, T. T. / COMMINS, A. D.	6	308
1972	CHARACTERIZATION OF AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T. / ALTHOUSE, L. P.	6	309
1973	ORGANIC FIBER/EPOXIDE COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6	316
1973	FILAMENT-WOUND VESSEL FROM AN ORGANIC FIBER/EPOXY SYSTEM	CHIAO, T. T. / MARCON, M. A.	6	317
1973	ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT-WOUND BOTTLES	HAMSTAD, M. A. / CHIAO, T. T.	6	320
1973	GRAPHITE FIBER/EPOXY COMPOSITES	CHIAO, T. T. / MOORE, R. L. / WALKUP, C. M.	6	321
1973	MATERIALS EVALUATION FOR 2XIIB MAGNET	CHIAO, T. T. / WALKUP, C. M. / NEWHEY, H. A.	6	322
1973	FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN SYSTEM	CHIAO, T. T. / HAMSTAD, M. A. / MARCON, M. A. / HANAFEE, JR.	6	323
1974	TECHNICAL PROGRAM PLAN FOR SUPERFLYWHEEL DEVELOPMENT	RABENHORST, D. W.	1	27
1974	STRESS-RUPTURE BEHAVIOR OF GRAPHITE FIBER/EPOXY STRANDS	MOORE, R. L. / CHIAO, T. T. / HAMSTAD, M. A.	6	324
1974	A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL	HAMSTAD, M. A. / CHIAO, T. T.	6	333
1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A. / CHIAO, T. T.	6	334
1974	A ROOM TEMPERATURE-CURABLE EPOXY FOR ADVANCED FIBER COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6	335
1974	ORGANIC FIBER/EPOXY PRESSURE VESSELS	CHIAO, T. T. / HAMSTAD, M. A. / MARCON, M. A.	6	336
1974	POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT	HAMSTAD, M. A. / CHIAO, T. T. / JESSOP, E. S.	6	338
1974	FATIGUE PERFORMANCE OF METAL-LINED GRAPHITE/EPOXY VESSELS	HAMSTAD, M. A. / CHIAO, T. T. / PATTERSON, R.	6	339
1974	AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T. / JESSOP, E. S. / NEWHEY, H. A.	6	340
1974	POLYIMIDES FOR FIBER COMPOSITES	LORENSEN, L. E.	6	341
1974	STRESS-RUPTURE OF EPOXY-COATED BE-WIRE	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6	342
1974	A MODERATE-TEMPERATURE-CURABLE EPOXY FOR ADVANCED COMPOSITE	CHIAO, T. T. / JESSOP, E. S. / NEWHEY, H. A.	6	345
1975	EVALUATION OF INTERLAMINAR SHEAR TEST FOR FIBER COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6	350
1975	DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE FINAL REPORT	GORDON, H. S.	3	193

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FIBER COMPOSITES (CONTD.)

1975 FIBER COMPOSITES FOR ENERGY STORAGE FLYWHEELS.	PENN, L. S./CHIAO, T. T.	6 362
1975 FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6 365
1975 AN IMPROVED ROTATABLE MASS FOR A FLYWHEEL	WEYLER, GEORGE M. JR. PATENT APPLICATION 14 NOV 1975	1 51
1975 LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C.	6 366
1975 FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6 367
1976 CHARACTERIZATION OF A POLYAMIDE MATRIX FOR FIBER COMPOSITES	PENN, L. S. / MONES, E. T. / CHIAO, T. T.	6 372
1976 FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6 373
1976 FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6 374
1976 AN ACCELERATED TEST FOR PREDICTING THE LIFETIME OF ORGANIC FIBER COMPOSITES	CHIAO, C. C.	6 376
1976 FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6 378
1976 FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6 379
1976 FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6 380
1976 FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6 382

FIBER EVALUATION

1975 FIBER EVALUATION FOR FLYWHEEL APPLICATIONS	PENN, L. S. / CHIAO, T. T.	1 52
---	----------------------------	------

FIBER FLYWHEEL

1976 COMPOSITE FIBER FLYWHEEL FOR ENERGY STORAGE	RINDE, J. A.	1 59
--	--------------	------

FIBER GLASS

1976 FLYWHEELS - PRACTICAL FLYWHEEL ENGINE: WILL FIBER GLASS BE THE ANSWER?	IL BUS W	2 136
--	----------	-------

FIBER MODULUS DETERMINATION

1974 STRAIN MEASUREMENT TECHNIQUES FOR FIBER MODULUS DETERMINATION	MOORE, R. L. / LEPPER, J. K.	6 325
--	------------------------------	-------

FIBER PROPERTIES

1972 FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL LOADING	CHIAO, T. T./COMMINS, A.D.	6 308
1973 FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN SYSTEM	CHIAO, T. T. / HAMSTAD, M. A./ MARCON, M. A./HANAFEE, JR.	6 323

FIBER STRENGTH

1969 EVALUATION OF HIGH-STRENGTH, HIGH-MODULUS BERYLLIUM OXIDE/ GLASS FIBER	CHIAO, T. T./ LEWIS, A./KIMPLE, R. F.	6 276
1972 FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL LOADING	CHIAO, T. T./COMMINS, A.D.	6 308

FIBER/ EPOXY COMPOSITE

1975 HIGH PERFORMANCE VESSELS FROM AN AROMATIC POLYAMIDE FIBER/ EPOXY COMPOSITE	CHIAO, T. T./HAMSTAD, M. A.	6 351
--	-----------------------------	-------

FIBER/ EPOXY STRANDS

1971 STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/ EPOXY STRANDS	CHIAO, T. T./MOORE, R. L.	6 285
---	---------------------------	-------

FIBER/EPOXIDE COMPOSITES

1973 ORGANIC FIBER/EPOXIDE COMPOSITES	CHIAO, T. T./MOORE, R. L.	6 316
---------------------------------------	---------------------------	-------

FIBER/EPOXY COMPOSITES

1973 GRAPHITE FIBER/EPOXY COMPOSITES	CHIAO, T. T./ MOORE, R. L./WALKUP, C. M.	6 321
--------------------------------------	---	-------

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FIBER/EPOXY MATRIX

1973	STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T./ WELLS, J. E./ MOORE, R. L./HAMSTAD, M. A.	6 316
------	---	---	-------

FIBER/EPOXY PRESSURE VESSEL

1974	A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL	HAMSTAD, M. A./CHIAO, T. T.	6 333
------	--	-----------------------------	-------

FIBER/EPOXY PRESSURE VESSELS

1974	ORGANIC FIBER/EPOXY PRESSURE VESSELS	CHIAO, T. T./ HAMSTAD, M. A./MARCON, M. A.	6 336
1975	FATIGUE LIFE OF ORGANIC FIBER/EPOXY PRESSURE VESSELS	HAMSTAD, M. A./ CHIAO, T. T. /PATTERSON, R. G.	6 354

FIBER/EPOXY RESIN SYSTEM

1973	FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN SYSTEM	CHIAO, T. T./ HAMSTAD, M. A./ MARCON, M. A./HANAFEE, JR.	6 323
------	---	--	-------

FIBER/EPOXY STRANDS

1974	STRESS-RUPTURE BEHAVIOR OF GRAPHITE FIBER/EPOXY STRANDS	MOORE, R. L./ CHIAO, T. T./HAMSTAD, M. A.	6 324
------	---	---	-------

FIBER/EPOXY SYSTEM

1973	FILAMENT-WOUND VESSEL FROM AN ORGANIC FIBER/EPOXY SYSTEM	CHIAO, T. T./MARCON, M. A.	6 317
------	--	----------------------------	-------

FIBERGLASS-REINFORCED PLASTICS

1965	CRACK EXTENSION IN FIBERGLASS-REINFORCED PLASTICS	WU, E. M. / REUTER, R. C.	6 259
------	---	---------------------------	-------

FIBERS

1970	A TENSILE TEST METHOD FOR FIBERS	CHIAO, T. T./MOORE, R. L.	6 277
1974	STRAIN MEASUREMENT TECHNIQUES FOR FIBER MODULUS DETERMINATION	MOORE, R. L. / LEPPER, J. K.	6 325
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6 337
1974	POLYIMIDES FOR FIBER COMPOSITES	LORENSEN, L. E.	6 341
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S./ CLEMENTS, L. L. / CHIAO, C. C.	6 364
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2 132
1976	THE EFFECTIVE MODULI OF COMPOSITES CONTAINING RANDOMLY ORIENTED FIBERS.	CHRISTENSEN, R. M.	6 369
1976	CHEMISTRY AND TECHNOLOGY OF HIGH STRENGTH POLYAMIDE FIBERS	LARSEN, F. N.	6 377

FIBRE COMPOSITES

1972	EFFECTIVE STIFFNESS OF RANDOMLY ORIENTED FIBRE COMPOSITES	CHRISTENSEN, R. M. / WAALS, F. M.	6 292
------	---	-----------------------------------	-------

FIBROUS COMPOSITE MATERIALS

1974	THE APPLICATION OF THREE DIMENSIONAL FINITE ELEMENT ANALYSIS TO THE MICRO-MECHANICS OF FIBROUS COMPOSITE MATERIALS	LARDER, R. A.	6 343
1975	STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS.	LARDER, R. A.	6 349

FIFTEEN PAPERS--SURVEY

1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS--SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 180
------	---	-----	-------

FILAMENT WINDING

1966	DESIGN FOR COMMERCIAL FILAMENT WINDING	CHIAO, T. T.	6 261
1967	THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF TWO ANGLE WOUND PIPE	CHIAO, T. T.	6 265

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FILAMENT WINDING (CONTD.)

1972	STRENGTH OF S-GLASS FIBER	CHIAO, T. T./MOORE, R. L.	6	299
1972	TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX	CHIAO, T. T./MOORE, R. L.	6	305
1972	CHARACTERIZATION OF AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T./ALTHOUSE, L. P.	6	309
1974	AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T./ JESSOP, E. S./NEWBY, H. A.	6	340
1975	SCREENING OF EPOXY SYSTEMS FOR HIGH-PERFORMANCE FILAMENT WINDING APPLICATIONS	CHIAO, T. T./ JESSOP, E. S./PENN, L. S.	6	355
1975	A LONG POT LIFE EPOXY SYSTEM FOR FILAMENT WINDING	PENN, L. S./CHIAO, T. T.	6	356

FILAMENT- WOUND BOTTLES

1973	ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT-WOUND BOTTLES	HAMSTAD, M. A./CHIAO, T. T.	6	320
------	---	-----------------------------	---	-----

FILAMENT- WOUND COMPOSITES

1975	ELONGATED-RING SPECIMEN FOR TENSILE PROPERTIES OF FILAMENT-WOUND COMPOSITES	CLEMENTS, L. L./ MOORE, R. L./CHIAO, T. T.	6	358
------	---	--	---	-----

FILAMENT-WOUND PRESSURE BOTTLES

1972	ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES	HAMSTAD, M. A.	6	306
1972	ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES	HAMSTAD, M. A.	6	307

FILAMENT-WOUND PRESSURE VESSELS

1974	POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT	HAMSTAD, M. A./ CHIAO, T. T./JESSOP, E. S.	6	338
------	--	--	---	-----

FILAMENT-WOUND VESSEL

1973	FILAMENT-WOUND VESSEL FROM AN ORGANIC FIBER/EPOXY SYSTEM	CHIAO, T. T./MARCON, M. A.	6	317
------	--	----------------------------	---	-----

FILAMENT-WOUND VESSELS

1973	FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN SYSTEM	CHIAO, T. T./ HAMSTAD, M. A./ MARCON, M. A./HANAFEE, JR.	6	323
1975	PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER IN SEVERAL EPOXY MATRICES	CHIAO, T. T./ JESSOP, E. S./HAMSTAD, M. A.	6	357

FILAMENTARY DISK

1964	THE UNIFORM-STRESS SPINNING FILAMENTARY DISK	KYSER, A. C.	1	3
------	--	--------------	---	---

FILAMENTARY STRUCTURES

1970	AXISYMMETRIC FILAMENTARY STRUCTURES	FRASER, A. F. / PREISWERK, P. R. / BENTON, M. D. / BURG-GRAF, O. R.	6	278
------	-------------------------------------	---	---	-----

FILAMENTS

1975	STRENGTH DISTRIBUTION OF SINGLE FILAMENTS	LARDER, R. A./BEADLE, C. W.	6	359
1975	LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C.	6	366
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A.	1	53

FINITE ELEMENT ANALYSIS

1974	THE APPLICATION OF THREE DIMENSIONAL FINITE ELEMENT ANALYSIS TO THE MICRO-MECHANICS OF FIBROUS COMPOSITE MATERIALS	LARDER, R. A.	6	343
------	--	---------------	---	-----

FINITE ELEMENT METHOD

1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P.J.	1	40
------	--	--------------	---	----

FINITE ELEMENT SIMULATION

1975	STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS.	LARDER, R. A.	6	349
------	---	---------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FINITE ELEMENT STUDY			
1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P. J.	1 40
FINLAYSON, P. T.			
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3 178
FIRST TORSIONAL EIGENFREQUENCY			
1974	ITERATIVE PROCEDURES FOR CALCULATING THE FIRST TORSIONAL EIGENFREQUENCY OF A SHAFT WITH SEVERAL FLYWHEELS	ATZORI, B. / CURTI, G.	1 31
FIRST-PASSAGE PROBABILITY			
1971	A RANDOM WALK MODEL FOR FIRST-PASSAGE PROBABILITY	TOLAND, R. H. / YANG, C. Y.	6 289
FISCHER, WM. A.			
1987	MOMENTUM EXCHANGE ACQUISITION SYSTEM, FINAL REPORT	FISCHER, WM. A.	3 139
FISCHER, R. D.			
1989	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.	2 69
FISSION			
1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5 243
FLEMING, R. D.			
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R. / FLEMING, R. D.	2 102
FLEXIBLE SOLAR ARRAYS			
1973	DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR ARRAYS	PFEIFFER, F. / POHL, A.	4 227
FLOODS			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
FLOW REGULATORS			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
FLUE GAS			
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
FLUIDIZED-BED COMBUSTION			
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
FLUIDS			
1973	A SPECIAL THEORY OF VISCOELASTIC FLUIDS FOR APPLICATION TO SUSPENSION.	CHRISTENSEN, R. M.	6 313

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FLUORIDE MIXTURES

1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5 242
------	--	---------------	-------

FLYBOX

1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3 143
------	--	---------------	-------

FLYWHEEL

1959	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2 60
1983	DETERMINING INERTIA AND TIME REQUIREMENTS FOR FLYWHEEL MACHINES	SPOTTS, M. F.	1 1
1984	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2 62
1986	SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT FLYWHEEL PACKAGE	NAVAL ORDNANCE STATION, FOREST PARK, ILL.	2 64
1987	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P.	1 8
1987	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2 66
1987	FLYWHEEL INERTIA ACTUATES AUTOMATIC ANTI-SKID DEVICE	PRODUCT ENG.	2 67
1988	FLYWHEEL STABILIZATION OF A RIGID BODY SUBJECTED TO CONSTANTLY APPLIED PERTURBATIONS	DERGACHEVA, E. I.	3 140
1989	WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4 217
1989	BEARING SUPPORT FLYWHEEL	ENGINEER	1 10
1989	FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE	SVENSSON, A. / WETHERBEE, A. E.	3 142
1989	PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL	RABENHORST, D. W.	2 68
1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3 143
1970	FLYWHEEL GENERATORS FOR INSTANT POWER	ASHMOLE, P. H.	3 145
1970	A GREASE-LUBRICATED HYDRODYNAMIC BEARING SYSTEM FOR A SATELLITE FLYWHEEL	REINHOUDT, J. P.	4 218
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / GOWARD, C. D. / KING, A. H. / MORTON D. F.	4 219
1970	A NEW TECHNICAL IDEA ON FLYWHEELS {NOUVELLE CONCEPTION TECHNIQUE DES VOLANTS D'INERTIE}	POUBEAU, P.	4 220
1970	SUPER FLYWHEEL TO POWER ZERO-EMISSION CAR	ARMAGNAC, A. P.	2 73
1970	PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL	RABENHORST, D. W.	1 14
1970	SUPER FLYWHEEL	MECH. ENG.	1 15
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / SWAIN, J.	4 221
1971	MINIMIZATION OF MECHANISM OSCILLATIONS THROUGH FLYWHEEL TUNING	MAHIG, J.	1 16
1971	SUPER FLYWHEEL CONFIGURATIONS FORM HEART OF MECHANICAL-POWERED DRIVES	CHIRONIS, N. P.	2 76
1971	FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION.FINAL REPORT	GILBERT, R. R./HARVEY, J.R./HEUER, G. E./LAWSON, L. J.	2 77
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2 79
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J.F. /PERINI, L.L.	2 80
1971	POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2 81
1971	THE DRALLRAD: A FLYWHEEL FOR THE STABILIZATION OF SYNCHRONOUS SATELLITES	WEHDE, HEINZ	4 222
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2 82
1972	FLYWHEEL DRIVE SYSTEMS STUDY.FINAL REPORT	GILBERT, R. R./HEUER, G.E./JACOBSEN, E. H./KUHN, E.B./LAWSON, L. J./WADA, W. T.	2 87
1972	FLYWHEEL ENERGY BUFFER	JAKUBOWSKI, M.	3 151
1972	DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)	BONNET-THIRION, C.J./ROBIDA, L. /FOLDES, G.	1 21
1973	DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR ARRAYS	PFEIFFER, F./POHL, A.	4 227
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FLYWHEEL (CONTD.)

1973	SUPER FLYWHEEL; A SECOND LOOK	BRUNELLE, E. J.	1	22
1973	IS THERE A FLYWHEEL IN YOUR FUTURE	LAWSON, L. J.	2	94
1973	HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL TIME TRANSPORTATION	LINDSLEY, E. F.	2	97
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S.	2	100
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2	108
1974	A FLYWHEEL IN YOUR FUTURE	NEWSWEEK	2	109
1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2	110
1974	NO-BREAK SETS	MOODY, R. L.	3	167
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4	234
1974	A 1000 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1	34
1974	A 150 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1	35
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A. / KOTTMAIR, M. / SCHLUETER, W. / VAU, G.	3	173
1974	FLYWHEEL ENERGY SYSTEMS	BIGGS, F.	1	37
1974	QUALIFICATION AND LIFE TESTING OF A BALL-BEARING FLYWHEEL	TELDIX LUFTFAHRT-AUSRUESTUNGS G.M.B. H.	4	235
1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P. J.	1	40
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZTRICK, P. A.	5	247
1975	NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	RAILWAY GAZETTE INTERNATIONAL	2	123
1975	VEHICLE POWER SYSTEM FOR LIMITED VEHICLE MOVEMENT WITHOUT USE OF FUEL	STROHLEIN, J. N.	2	126
1975	WIND POWER	HERONEMUS, W. E.	5	249
1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3	191
1975	DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE FINAL REPORT	GORDON, H. S.	3	193
1975	MAGNETICALLY SUSPENDED LARGE MOMENTUM WHEEL	SABNIS, A. V. / DENDY, J. B. / SCHMITT, F. M.	4	238
1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V.	3	194
1975	FLYWHEELS - FLYWHEEL IN AUTO TO REPLACE GASOLINE	MACHINE DESIGN	2	130
1975	REACTOR COOLANT PUMP FLYWHEEL INTEGRITY	NUCLEAR REGULATORY COMM.	3	196
1975	POWER PLANT	ARIGA, H.	3	197
1975	DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION.	CORMACK, A. / NOTTI, J. E. / RUIZ, M. L.	4	239
1975	DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)	NOTTI, J. E. / CORMACK, A.	4	240
1975	EPOXY RESINS FOR FLYWHEEL APPLICATIONS.	RINDE, J. A.	1	48
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6	384
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
1975	1975 FLYWHEEL TECHNOLOGY SYMPOSIUM	ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION, AND LAWRENCE LIVERMORE LABORATORY	1	50
1975	AN IMPROVED ROTATABLE MASS FOR A FLYWHEEL	WEYLER, GEORGE M. JR. PATENT APPLICATION 14 NOV 1975	1	51
1975	FIBER EVALUATION FOR FLYWHEEL APPLICATIONS	PENN, L. S. / CHIAO, T. T.	1	52
1975	LLL PROGRAM FOR COMPOSITE FLYWHEEL	CHIAO, T. T. / STONE, R. G.	3	203
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A.	1	53
1976	FERRO-RESONANT CIRCUIT FOR A NEW FLYWHEEL MOTOR GENERATOR	AALAND, K.	1	54
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204
1976	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS	STONE, R. G.	1	57
1976	FLYWHEELS - PRACTICAL FLYWHEEL ENGINE: WILL FIBER GLASS BE THE ANSWER?	IL BUS W	2	136
1976	COMPOSITE FIBER FLYWHEEL FOR ENERGY STORAGE	RINDE, J. A.	1	59

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FLYWHEEL APPLICATIONS

1975 EPOXY RESINS FOR FLYWHEEL APPLICATIONS.	RINDE, J. A.	1	48
1975 FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6	364
1975 FIBER EVALUATION FOR FLYWHEEL APPLICATIONS	PENN, L. S. / CHIAO, T. T.	1	52
1976 FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS	STONE, R. G.	1	57

FLYWHEEL ARRAY

1974 INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4	231
--	---	---	-----

FLYWHEEL BRAKES

1974 FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2	108
--	-----------------	---	-----

FLYWHEEL BURSTING SPEED

1975 FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P. J.	1	40
---	---------------	---	----

FLYWHEEL COMPONENT

1974 HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2	110
--	---------------------------------------	---	-----

FLYWHEEL CONFIGURATIONS

1971 SUPER FLYWHEEL CONFIGURATIONS FORM HEART OF MECHANICAL-POWERED DRIVES	CHIRONIS, N. P.	2	76
1972 HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4	226

FLYWHEEL CONSTRUCTION

1970 SATELLITE FLYWHEEL	BARWELL, L. D. G. / SWAIN, J.	4	221
-------------------------	-------------------------------	---	-----

FLYWHEEL DESIGN

1964 THE UNIFORM-STRESS SPINNING FILAMENTARY DISK	KYSER, A. C.	1	3
1969 PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL	RABENHORST, D. W.	2	68
1970 FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3	143
1970 SATELLITE FLYWHEEL	BARWELL, L. D. G. / SWAIN, J.	4	221
1971 THE DRALLRAD: A FLYWHEEL FOR THE STABILIZATION OF SYNCHRONOUS SATELLITES	WEHDE, HEINZ	4	222
1972 APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R.	4	224
1972 INERTIAL ENERGY STORAGE APPARATUS AND SYSTEM FOR UTILIZING THE SAME	POST, R. F. / POST, S. F.	2	88
1973 CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4	228
1973 INERTIAL ENERGY STORAGE APPARATUS	POST, S. F.	2	96
1974 A FLYWHEEL IN YOUR FUTURE	NEWSWEEK	2	109
1974 CAN FLYWHEELS REPLACE PUMPED STORAGE?	GINSBURG, T.	3	169
1974 A 1000 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1	34
1974 ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT	KALHAMMER, F.	3	174
1974 POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3	177
1975 ENERGY STORAGE BY FLYWHEELS	FULLMAN, R. L.	3	185
1975 DESIGN AND DEVELOPMENT OF A MOMENTUM WHEEL WITH A MAINLY PASSIVE MAGNETIC BEARING FINAL REPORT	ESA	1	45
1975 AN IMPROVED ROTATABLE MASS FOR A FLYWHEEL	WEYLER, GEORGE M. JR. PATENT APPLICATION 14 NOV 1975	1	51
1976 MECHANICAL CAPACITOR	KIRK, JAMES A. / STUDER, PHILIP A. / EVANS, HAROLD E.	3	206

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FLYWHEEL DESIGNS			
1974	FLYWHEEL ENERGY SYSTEMS	BIGGS, F.	1 37
FLYWHEEL DEVELOPMENT			
1975	DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE FINAL REPORT	GORDON, H. S.	3 193
FLYWHEEL DRIVE SYSTEMS			
1972	FLYWHEEL DRIVE SYSTEMS STUDY.FINAL REPORT	GILBERT, R. R./HEUER,G.E./JACOBSEN, E. H./KUHN, E.B./LAWSON, L. J./WADA, W. T.	2 87
FLYWHEEL ENERGY BUFFER			
1972	FLYWHEEL ENERGY BUFFER	JAKUBOWSKI, M.	3 161
FLYWHEEL ENERGY PROPULSION			
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S.	2 100
FLYWHEEL ENERGY STORAGE			
1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2 66
1969	WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4 217
1975	NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	RAILWAY GAZETTE INTERNATIONAL	2 123
1975	DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION.	CORMACK, A. / NOTTI, J. E. / RUIZ, M. L.	4 239
FLYWHEEL ENERGY SYSTEMS			
1974	FLYWHEEL ENERGY SYSTEMS	BIGGS, F.	1 37
FLYWHEEL ENGINE			
1976	FLYWHEELS - PRACTICAL FLYWHEEL ENGINE: WILL FIBER GLASS BE THE ANSWER?	IL BUS W	2 136
FLYWHEEL EVALUATION			
1972	APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R.	4 224
FLYWHEEL FABRICATION			
1969	FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE	SVENSSON, A. / WETHERBEE, A. E.	3 142
FLYWHEEL FEASIBILITY STUDY			
1971	FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION.FINAL REPORT	GILBERT, R. R./HARVEY, J.R./HEUER, G. E./LAWSON, L. J.	2 77
FLYWHEEL FOR ENERGY			
1976	COMPOSITE FIBER FLYWHEEL FOR ENERGY STORAGE	RINDE, J. A.	1 59
FLYWHEEL GENERATOR			
1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V.	3 194
FLYWHEEL GENERATORS			
1970	FLYWHEEL GENERATORS FOR INSTANT POWER	ASHMOLE, P. H.	3 145

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FLYWHEEL HIGH-ENERGY STORAGE			
1969 FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE	SVENSSON, A. / WETHERBEE, A. E.	3	142
FLYWHEEL IN AUTO			
1975 FLYWHEELS - FLYWHEEL IN AUTO TO REPLACE GASOLINE	MACHINE DESIGN	2	130
FLYWHEEL INERTIA			
1967 FLYWHEEL INERTIA ACTUATES AUTOMATIC ANTI-SKID DEVICE	PRODUCT ENG.	2	67
FLYWHEEL INTEGRITY			
1975 REACTOR COOLANT PUMP FLYWHEEL INTEGRITY	NUCLEAR REGULATORY COMM.	3	196
FLYWHEEL MACHINES			
1963 DETERMINING INERTIA AND TIME REQUIREMENTS FOR FLYWHEEL MACHINES	SPOTTS, M. F.	1	1
FLYWHEEL MATERIALS			
1972 HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES.FINAL REPORT	DUGGER, G. L./BRANDT,A./GEORGE,J.F. /PERINI,L.L./RABENHORST, D. W. /SMALL,T.R./WEISS,R.O.	1	18
1972 HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4	226
1974 CAN FLYWHEELS REPLACE PUMPED STORAGE?	GINSBURG, T.	3	169
1974 FLYWHEEL ENERGY SYSTEMS	BIGGS, F.	1	37
1975 FIBER COMPOSITES FOR ENERGY STORAGE FLYWHEELS.	PENN, L. S./CHIAO, T. T.	6	362
FLYWHEEL MOTOR GENERATOR			
1976 FERRO-RESONANT CIRCUIT FOR A NEW FLYWHEEL MOTOR GENERATOR	AALAND, K.	1	54
FLYWHEEL OPTIMISATION STUDY			
1974 A 1000 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1	34
1974 A 150 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1	35
FLYWHEEL OPTIMIZATION			
1964 THE UNIFORM-STRESS SPINNING FILAMENTARY DISK	KYSER, A. C.	1	3
1971 THE DRALLRAD: A FLYWHEEL FOR THE STABILIZATION OF SYNCHRONOUS SATELLITES	WEHDE, HEINZ	4	222
FLYWHEEL PACKAGE			
1966 SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT FLYWHEEL PACKAGE	NAVAL ORDNANCE STATION, FOREST PARK, ILL.	2	64
FLYWHEEL POWER SOURCE			
1964 GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2	62
FLYWHEEL POWER SUPPLY			
1974 LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK,GARCHING, GERMANY	KNOBLOCH,A./KOTTMAIR,M./SCHLUETER,W. /VAU,G.	3	173
FLYWHEEL POWERED VEHICLES			
1972 HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES.FINAL REPORT	DUGGER, G. L./BRANDT,A./GEORGE,J.F. /PERINI,L.L./RABENHORST, D. W. /SMALL,T.R./WEISS,R.O.	1	18

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FLYWHEEL R&D			
1974	FLYWHEEL ENERGY SYSTEMS	BIGGS, F.	1 37
FLYWHEEL RELIABILITY			
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228
FLYWHEEL RUPTURE			
1972	DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)	BONNET-THIRION, C.J./ROBIDA, L. /FOLDES, G.	1 21
FLYWHEEL STABILIZATION			
1968	FLYWHEEL STABILIZATION OF A RIGID BODY SUBJECTED TO CONSTANTLY APPLIED PERTURBATIONS	DERGACHEVA, E. I.	3 140
FLYWHEEL STABILIZED			
1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3 170
FLYWHEEL STRESS ANALYSIS			
1967	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P.	1 8
FLYWHEEL SYSTEMS DESIGN			
1970	A NEW TECHNICAL IDEA ON FLYWHEELS {NOUVELLE CONCEPTION TECHNIQUE DES VOLANTS D'INERTIE}	POUBEAU, P.	4 220
FLYWHEEL TECHNOLOGY SYMPOSIUM			
1975	1975 FLYWHEEL TECHNOLOGY SYMPOSIUM	ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION, AND LAWRENCE LIVERMORE LABORATORY	1 50
FLYWHEEL TESTING			
1973	ENVIRONMENTAL TESTS ON DRALLRAD DR 20-6-ZKM	SCHULZ, HANS HOLGER	4 229
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4 230
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4 234
1974	QUALIFICATION AND LIFE TESTING OF A BALL-BEARING FLYWHEEL	TELDIX LUFTFAHRT-AUSRUESTUNGS G.M.B. H.	4 235
1975	MAGNETICALLY SUSPENDED LARGE MOMENTUM WHEEL	SABNIS, A. V. / DENDY, J. B. / SCHMITT, F. M.	4 238
FLYWHEEL THERMAL PROPERTIES			
1974	A 150 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1 35
FLYWHEEL TRANSAXLE			
1973	HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL TIME TRANSPORTATION	LINDSLEY, E. F.	2 97
FLYWHEEL TUNING			
1971	MINIMIZATION OF MECHANISM OSCILLATIONS THROUGH FLYWHEEL TUNING	MAHIG, J.	1 16
FLYWHEEL VEHICLES			
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D.E./MELTZER, J.	2 118

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FLYWHEEL-ELECTRIC LDV			
1972	TWO NEW WEAPONS AGAINST AUTOMOTIVE AIR POLLUTION: THE HYDROSTATIC DRIVE AND THE FLYWHEEL-ELECTRIC LDV.	WHITLAW, R. L.	2 90
FLYWHEEL-ELECTRIC SYSTEM			
1973	FLYWHEEL-ELECTRIC SYSTEM FOR LOCAL-DUTY VEHICLES	AUTOMOTIVE ENG.	2 93
FLYWHEEL-HIGH PERFORMANCE			
1974	TECHNICAL PROGRAM PLAN FOR SUPERFLYWHEEL DEVELOPMENT	RABENHORST, D. W.	1 27
FLYWHEEL-LIQUID FILLED			
1964	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2 62
FLYWHEELS			
1959	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2 60
1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4 210
1963	TESTING MAGNETO FLYWHEELS AT SPEEDS UP TO 25000 RPM.	MACHY (LOND)	1 2
1964	THE UNIFORM-STRESS SPINNING FILAMENTARY DISK	KYSER, A. C.	1 3
1964	ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT	MARLOWE, E. W.	2 61
1964	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2 62
1967	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P.	1 8
1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2 66
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4 216
1969	FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE	SVENSSON, A. / WETHERBEE, A. E.	3 142
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.	2 69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70
1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3 143
1970	FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS	ORTIZ, J. V.	3 144
1970	FLYWHEEL GENERATORS FOR INSTANT POWER	ASHMOLE, P. H.	3 145
1970	A GREASE-LUBRICATED HYDRODYNAMIC BEARING SYSTEM FOR A SATELLITE FLYWHEEL	REINHOUDT, J. P.	4 218
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / GOWARD, C. D. / KING, A. H. / MORTON D. F.	4 219
1970	A NEW TECHNICAL IDEA ON FLYWHEELS {NOUVELLE CONCEPTION TECHNIQUE DES VOLANTS D'INERTIE}	POUBEAU, P.	4 220
1970	MODIFICATION OF DC MOTOR WITH MAGNETICALLY SUSPENDED ROTOR	CAMBRIDGE THERMIONIC CORP., MASS.	1 11
1970	NEW CONCEPTS IN MECHANICAL ENERGY STORAGE	RABENHORST, D. W.	1 12
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES. FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2 75
1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J. C. / FRAZER, R. / RUBINSTEIN, N.	5 241
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2 79
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L.	2 80
1971	POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2 81
1971	THE DRALLRAD: A FLYWHEEL FOR THE STABILIZATION OF SYNCHRONOUS SATELLITES	WEHDE, HEINZ	4 222
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2 82
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2 83
1971	ELECTRIC ROAD VEHICLE	CALVERT, W. L.	2 84
1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP.	3 149

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FLYWHEELS (CONTD.)

1972	APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R.	4	224
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2	86
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L. / RABENHORST, D. W. / SMALL, T. R. / WEISS, R. O.	1	18
1972	CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING DISKS AND FLYWHEELS	KRITZER, R.	1	20
1972	THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE	RABENHORST, D. W.	1	19
1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G.	4	225
1972	FLYWHEEL DRIVE SYSTEMS STUDY. FINAL REPORT	GILBERT, R. R. / HEUER, G. E. / JACOBSEN, E. H. / KUHN, S. B. / LAWSON, L. J. / WADA, W. T.	2	87
1972	HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4	226
1972	INERTIAL ENERGY STORAGE APPARATUS AND SYSTEM FOR UTILIZING THE SAME	POST, R. F. / POST, S. F.	2	88
1972	APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J.	2	89
1972	FLYWHEEL ENERGY BUFFER	JAKUBOWSKI, M.	3	151
1972	DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)	BONNET-THIRION, C. J. / ROBIDA, L. / FOLDES, G.	1	21
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2	91
1973	SUPERFLYWHEEL	RABENHORST, D. W.	3	153
1973	DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR ARRAYS	PFEIFFER, F. / POHL, A.	4	227
1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C.	2	92
1973	IS THERE A FLYWHEEL IN YOUR FUTURE	LAWSON, L. J.	2	94
1973	ENVIRONMENTAL TESTS ON DRALLRAD DR 20-6-ZKM	SCHULZ, HANS HOLGER	4	229
1973	APPLICATION OF TWO-PHASE DC CHOPPER MOTOR DRIVE	REIMERS, E.	2	95
1973	REVOLUTION IN FLYWHEELS	DANN, R. T.	1	23
1973	INERTIAL ENERGY STORAGE APPARATUS	POST, S. F.	2	96
1973	ENERGY STORAGE VIA FLYWHEELS	GILMAN, J. J. / HUCKE, E. E.	3	154
1973	HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL TIME TRANSPORTATION	LINDSLEY, E. F.	2	97
1973	STORED ENERGY IN A SPINNING DISK COULD ALLEVIATE THE ENERGY CRISIS	PRODUCT ENGINEERING	2	99
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3	155
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H.	3	156
1973	FLYWHEELS	POST, R. F. / POST, S. F.	1	25
1973	DESIGN CONSIDERATIONS FOR A 100-MEGAJOULE/500-MEGAWATT SUPERFLYWHEEL	RABENHORST, D. W. / TAYLOR, R. J.	1	26
1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3	157
1974	THERMAL STRESSES IN COMPOSITE FLYWHEELS	REUTER, R. C. JR.	1	28
1974	GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES	GULIA, N. V. ET AL	2	105
1974	TECHNICAL PROGRAM PLAN FOR SUPERFLYWHEEL DEVELOPMENT	RABENHORST, D. W.	1	27
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUZOZHILOV, V. A.	1	29
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S.	2	100
1974	ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE	POST, R. F.	2	101
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R. / FLEMING, R. D.	2	102
1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2	103
1974	SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR	GULIA, N. V. / YUDOVSKII, I. D.	2	104
1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3	158
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W. / MORASH, R. T. / BARBER, R. J.	3	159
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS--SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	160

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4	230
1974	NEW MOMENTUM FOR NUCLEAR FUSION IN THE MAX-PLANCK-INSTITUT IN MUENCHEN, A NEW PHASE OF PLASMA RESEARCH HAS BEGUN	BRUNS, K.	3	161
1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2	106
1974	KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE	BAXTER, J. W. / LAWSON, L. J.	2	107
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2	108
1974	A FLYWHEEL IN YOUR FUTURE	NEWSWEEK	2	109
1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2	110
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2	111
1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2	112
1974	FLYWHEELS AS AN ENERGY STORAGE DEVICE, A SELECTED BIBLIOGRAPHY	LLL	1	30
1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3	162
1974	ULTRAHIGH TEMPERATURE	RYLANDER, H. G. / WOODSON, H. H. / BECKER, E. B. / ROWBERG, R.	3	163
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4	231
1974	DESIGN AND LUBRICATION OF BALL BEARING UNIT FOR FLYWHEELS	AUER, WERNER	4	233
1974	ITERATIVE PROCEDURES FOR CALCULATING THE FIRST TORSIONAL EIGENFREQUENCY OF A SHAFT WITH SEVERAL FLYWHEELS	ATZORI, B. / CURTI, G.	1	31
1974	FLYWHEELS TAKE ON LIGHT AND POWERFUL NEW LEASE ON LIFE	WHITFIELD	1	32
1974	ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3	165
1974	ENERGY STORAGE. (II): DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A. L.	3	166
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
1974	ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W. E.	3	168
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS	AEROSPACE CORP.	2	113
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2	114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2	115
1974	CAN FLYWHEELS REPLACE PUMPED STORAGE?	GINSBURG, T.	3	169
1974	MULTIRIM SUPERFLYWHEEL TECHNICAL MEMO	RABENHORST, D. W.	1	33
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2	116
1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3	170
1974	ENERGY STORAGE TECHNOLOGY	VANDERRYN, J.	3	171
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H. / TORRES, F.	2	117
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2	119
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	120
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3	172
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A. / KOTTMAIR, M. / SCHLUETER, W. / YAU, G.	3	173
1974	STORAGE OF HIGH-GRADE ENERGY	MCALLAN, J. V.	5	245
1974	USE OF FLYWHEELS FOR ENERGY STORAGE	RABENHORST, D. W.	3	175
1974	ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT	KALHAMMER, F.	3	174
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	176
1974	SUPERFLYWHEEL: THE BATTERY THAT SPINS	LAMPE, D.	1	36
1974	FLYWHEEL ENERGY SYSTEMS	BIGGS, F.	1	37
1974	THE LUBRICATION OF BEARINGS AND SLIP RINGS IN VACUUM	ODONNELL, P. J. / HARRIS, L. C. / WARWICK, M. G.	1	38
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3	177
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3	178
1974	NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	LUCCHINI, A. P.	5	246
1974	ELECTRIC POWER SYSTEMS	ERDA	3	179
1974	QUALIFICATION AND LIFE TESTING OF A BALL-BEARING FLYWHEEL	TELDIX LUFTFAHRT-AUSRUESTUNGS G.M.B. H.	4	235
1975	ESTIMATING THE VELOCITIES OF THE CONTROL FLYWHEELS OF A FREE GYROSTAT	LITVIN-SEDOI, M. Z.	1	39

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P. J.	1	40
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J.	2	122
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3	180
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRIK, P. A.	5	247
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5	248
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	LEHMANN, E. J.	1	42
1975	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	1	43
1975	NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	RAILWAY GAZETTE INTERNATIONAL	2	123
1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3	181
1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2. RO INSPECTION REPORT NO. 75-01 AND CORRESPONDENCE	METROPOLITAN EDISON CO.	3	182
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2	124
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS	GILBERT, J. S. / KERN, E. A.	3	183
1975	UTILITIES EYE LARGE-SCALE ENERGY STORAGE	RICCI, L. J.	3	184
1975	ENERGY STORAGE BY FLYWHEELS	FULLMAN, R. L.	3	185
1975	APPLICATION SPIRAL-GROOVE BEARINGS ON SPACECRAFT	VANDERWAL, U.	4	236
1975	STUDY OF DOUBLE GIMBALED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHNEIN, F. J.	4	237
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G. C. / HART, A. B. / MOFFITT, R. D. / WRIGHT, J.	3	186
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187
1975	DYNAMIC BRAKING	KALRA, P.	2	125
1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L.	3	188
1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2. LICENSE APPLICATION, FSAR, AMENDMENT 27	METROPOLITAN EDISON CO.	2	127
1975	ENERGY STORAGE DEVICE	TIN, W. C.	3	189
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2	128
1975	HYBRID POWER SYSTEM	SUGIYAMA, H. / HIROTA, T. / KAKEI, J. / KABASAWA, Y.	2	129
1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	ZLOTNICK, M.	3	190
1975	DESIGN AND DEVELOPMENT OF A MOMENTUM WHEEL WITH A MAINLY PASSIVE MAGNETIC BEARING FINAL REPORT	ESA	1	45
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5	250
1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V.	3	194
1975	FLYWHEELS - FLYWHEEL IN AUTO TO REPLACE GASOLINE	MACHINE DESIGN	2	130
1975	REACTOR COOLANT PUMP FLYWHEEL INTEGRITY	NUCLEAR REGULATORY COMM.	3	196
1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3	198
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	HABERCOM, G. E.	1	46
1975	FIBER COMPOSITES FOR ENERGY STORAGE FLYWHEELS.	PENN, L. S. / CHIAO, T. T.	6	362
1975	ON OPTIMAL SHAPES FOR ANISOTROPIC ROTATING DISKS.	GERSTLE, F. P. / BIGGS, F.	1	47
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6	364
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
1975	AN IMPROVED ROTATABLE MASS FOR A FLYWHEEL	WEYLER, GEORGE M. JR. PATENT APPLICATION 14 NOV 1975	1	51
1975	PROPOSED TFTR ELECTRICAL SYSTEM	BRONNER, G. / MURRAY, J.	3	200
1975	ECONOMIC AND TECHNICAL FEASIBILITY STUDY FOR ENERGY STORAGE FLYWHEELS	ROCKWELL INTERNATIONAL, SPACE DIV.	3	201
1975	FLYWHEELS - POWER ON THE FLY	MECH. ENG.	3	202
1975	LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C.	6	366
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2	132
1975	LLL PROGRAM FOR COMPOSITE FLYWHEEL	CHIAO, T. T. / STONE, R. G.	3	203
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A.	1	53
1976	COMPOSITE MATERIALS FOR ENERGY STORAGE FLYWHEELS	CHIAO, T. T.	6	371

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. /	3	205
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SALZANO, F. J.	2	133
1976	FLYWHEELS, A REPORT BIBLIOGRAPHY	SCHRECK, H. / TORRES, F.	1	55
1976	ENERGY STORAGE	DEFENSE DOCUMENTATION CENTER	5	252
		AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.		
1976	MECHANICAL CAPACITOR	KIRK, JAMES A. / STUDER, PHILIP A.	3	206
		/ EVANS, HAROLD E.		
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3	207
1976	FLYWHEELS, A SELECTED BIBLIOGRAPHY	MADDEN, W. E.	1	56
1976	ENERGY STORAGE	CASAZZA, J. A. / SCHNEIDER, T. R. /	3	208
		SULZBERGER, V. T.		
1976	FLYWHEELS - PRACTICAL FLYWHEEL ENGINE: WILL FIBER GLASS BE THE ANSWER?	IL BUS W	2	136
1976	FLYWHEELS: ENERGY-SAVING WAY TO GO	ENVIRONMENTAL SCIENCE AND TECHNOLOGY	2	137
FLYWHEELS FOR ENERGY				
1974	USE OF FLYWHEELS FOR ENERGY STORAGE	RABENHORST, D. W.	3	175
FLYWHEELS IN MACHINES				
1974	GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES	GULIA, N. V. ET AL	2	105
FLYWHEELS SUPPORTED				
1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G.	4	225
FLYWHEELS TEMPERATURE DEPENDENCE				
1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G.	4	225
FLYWHEELS TO SPACECRAFT				
1972	APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R.	4	224
FLYWHEELS- VIBRATION				
1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G.	4	225
FLYWHEELS-HIGH ENERGY				
1969	FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE	SVENSSON, A. / WETHERBEE, A. E.	3	142
FLYWHEELS-SHOCK				
1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G.	4	225
FLYWHEELS-WOOD				
1972	THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE	RABENHORST, D. W.	1	19
FOLDES, G.				
1972	DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)	BONNET-THIRION, C.J./ROBIDA, L. /FOLDES, G.	1	21
FORECASTING				
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES,D.E./HINTON,M.G./MELTZER,J. /IURA,T./DYKEMA,O./FORREST,L./HAGEN, K./KETTLER,J./LAFRANCE,R./SMALLEY,W.	2	114

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FORREST, L.			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2 114
FOSSIL FUEL			
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
FOSSIL FUELS			
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2 75
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3 187
FOUNDATIONS			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
FOUR-WHEEL DRIVE			
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2 91
FRACTURE			
1965	A FRACTURE CRITERION FOR ORTHOTROPIC PLATES UNDER THE INFLUENCE OF COMPRESSION AND SHEAR	WU, E. M.	6 258
1967	APPLICATION OF FRACTURE MECHANICS TO ANISOTROPIC PLATES	WU, E. M.	6 262
1968	FRACTURE MECHANICS OF ANISOTROPIC PLATES	WU, E. M.	6 266
1969	INTERFACIAL FRACTURE PHENOMENA	WU, E. M. / THOMAS, R. L.	6 273
1971	FRACTURE CRITERIA FOR ORTHOTROPIC PLATE UNDER COMPRESSION AND SHEAR	WU, E. M.	6 281
1971	FRACTURE TOUGHNESS IN UNIDIRECTIONAL GLASS-REINFORCED PLASTICS	SANFORD, R. J. / STONESIFER, F. R.	6 287
1972	EXPERIMENTAL INVESTIGATION OF FRACTURE IN AN ADVANCED FIBER COMPOSITE	KONISH, H. J. / SWEDLOW, J. L. / CRUSE, T. A.	6 294
1974	STRENGTH AND FRACTURE OF COMPOSITES	WU, E. M.	6 327
1974	FAILURE CRITERIA TO FRACTURE MODE ANALYSIS OF COMPOSITE MATERIALS	WU, E. M.	6 328
FRACTURE CRITERIA			
1971	FRACTURE CRITERIA FOR ORTHOTROPIC PLATE UNDER COMPRESSION AND SHEAR	WU, E. M.	6 281
FRACTURE CRITERION			
1965	A FRACTURE CRITERION FOR ORTHOTROPIC PLATES UNDER THE INFLUENCE OF COMPRESSION AND SHEAR	WU, E. M.	6 258
FRACTURE MECHANICS			
1967	APPLICATION OF FRACTURE MECHANICS TO ANISOTROPIC PLATES	WU, E. M.	6 262
1968	FRACTURE MECHANICS OF ANISOTROPIC PLATES	WU, E. M.	6 266
FRACTURE MODE			
1974	FAILURE CRITERIA TO FRACTURE MODE ANALYSIS OF COMPOSITE MATERIALS	WU, E. M.	6 328
FRACTURE MODE ANALYSIS			
1974	FAILURE CRITERIA TO FRACTURE MODE ANALYSIS OF COMPOSITE MATERIALS	WU, E. M.	6 328

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FRACTURE OF COMPOSITES			
1974	STRENGTH AND FRACTURE OF COMPOSITES	WU, E. M.	6 327
FRACTURE PHENOMENA			
1969	INTERFACIAL FRACTURE PHENOMENA	WU, E. M. / THOMAS, R. L.	6 273
FRACTURE TOUGHNESS			
1971	FRACTURE TOUGHNESS IN UNIDIRECTIONAL GLASS-REINFORCED PLASTICS	SANFORD, R. J. / STONESIFER, F. R.	6 287
FRAIZE, W. E.			
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2 75
FRANK, A. A.			
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2 126
FRASER, A. F.			
1970	AXISYMMETRIC FILAMENTARY STRUCTURES	FRASER, A. F. / PREISWERK, P. R. / BENTON, M. D. / BURG-GRAF, O. R.	6 278
FRAZER, R.			
1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J. C. / FRAZER, R. / RUBINSTEIN, N.	5 241
FREE GYROSTAT			
1975	ESTIMATING THE VELOCITIES OF THE CONTROL FLYWHEELS OF A FREE GYROSTAT	LITVIN-SEDOV, M. Z.	1 39
FRICTION			
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A.	1 29
FRICTIONLESS SUPPORT			
1963	MAGNETIC BEARINGS FOR AEROSPACE APPLICATIONS	EDGAR, R. F. / ET AL.	4 211
FRUKTOW, N. N.			
1959	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2 60
FUEL CELLS			
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2 75
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2 111
1974	NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	LUCCHINI, A. P.	5 246
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3 187
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3 199
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3 207
FUEL CONSUMPTION			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FUEL CONSUMPTION (CONTD.)

1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J. F. /PERINI, L. L.	2	80
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A./GRIMM, D. H.	2	88
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H./TORRES, F.	2	117
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E./MELTZER, J.	2	118
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B./THUR, G. M.	2	119
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2	128
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2	133

FUEL ECONOMY

1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2	128
------	--	--------------------------------	---	-----

FUEL SYSTEMS

1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R./FLEMING, R. D.	2	102
------	--	------------------------------	---	-----

FUELS

1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS	AEROSPACE CORP.	2	113
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E./HINTON, M. G./MELTZER, J. /IURA, T./DYKEMA, O./FORREST, L./HAGEN, K./KETTLER, J./LAFRANCE, R./SMALLEY, W.	2	114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E./HINTON, M. G./MELTZER, J. /IURA, T.	2	115

FULL TIME TRANSPORTATION

1973	HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL TIME TRANSPORTATION	LINDSLEY, E. F.	2	97
------	--	-----------------	---	----

FULLMAN, R. L.

1975	ENERGY STORAGE BY FLYWHEELS	FULLMAN, R. L.	3	185
------	-----------------------------	----------------	---	-----

FUNCTIONAL MODELS

1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E./MELTZER, J.	2	118
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2	133

FUNCTIONS

1966	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	2	65
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	212
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	213
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	214
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	215
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSEY, C. W. / CALL, B. J.	4	216
1972	RESTRICTIONS UPON VISCOELASTIC RELAXATION FUNCTIONS AND COMPLEX MODULI.	CHRISTENSEN, R. M.	6	293

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

FUNDING				
1976	FLYWHEELS: ENERGY-SAVING WAY TO GO	ENVIRONMENTAL SCIENCE AND TECHNOLOGY	2	137
FURTHER TESTING				
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4	230
FUSION				
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H.	3	156
1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3	158
1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5	243
1974	NEW MOMENTUM FOR NUCLEAR FUSION. IN THE MAX-PLANCK-INSTITUT IN MUENCHEN, A NEW PHASE OF PLASMA RESEARCH HAS BEGUN	BRUNS, K.	3	161
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A. / KOTTMAIR, M. / SCHLUETER, W. / VAU, G.	3	173
FUSION EXPERIMENTS				
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H.	3	156
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A. / KOTTMAIR, M. / SCHLUETER, W. / VAU, G.	3	173
FUSION HEAT				
1974	ENERGY STORAGE. (II): DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A. L.	3	186
FUSION RESEARCH				
1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3	158
FUTURE				
1973	IS THERE A FLYWHEEL IN YOUR FUTURE	LAWSON, L. J.	2	94
1974	A FLYWHEEL IN YOUR FUTURE	NEWSWEEK	2	109
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2	119
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
FUTURE AUTOMOBILES				
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2	119
GARDNER, G. C.				
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G. C. / HART, A. B. / MOFFITT, R. D. / WRIGHT, J.	3	186
GAS BEARING APPLICATIONS				
1972	SUMMARY OF GAS BEARING APPLICATIONS IN THE FIELD OF SPACE ELECTRIC POWER SYSTEMS	DUNN, J. H. / REAM, L. W.	4	223
GAS BEARINGS				
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / GOWARD, C. D. / KING, A. H. / MORTON D. F.	4	219
GAS MOTOR				
1959	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2	60

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

GAS TURBINES

1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. BATTELLE COLUMBUS LABS.	2	69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES		2	70
1970	FLYWHEEL GENERATORS FOR INSTANT POWER	ASHMOLE, P. H.	3	145
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L.	2	80
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	180
1974	ENERGY STORAGE. (1): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3	165
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2	124
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5	250

GASEOUS STORAGE

1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.	5	252
------	----------------	--	---	-----

GASOLINE

1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2	115
1975	FLYWHEELS - FLYWHEEL IN AUTO TO REPLACE GASOLINE	MACHINE DESIGN	2	130

GEARBOX FLYWHEEL

1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3	143
------	--	---------------	---	-----

GENERAL DYNAMICS CORP.

1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4	210
------	---	-------------	---	-----

GENERAL ELECTRIC CO.

1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3	143
1975	ENERGY STORAGE BY FLYWHEELS	FULLMAN, R. L.	3	185

GENERAL THEORETICAL ANALYSIS

1964	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2	62
------	--	---	---	----

GENERAL THEORY

1971	A GENERAL THEORY OF STRENGTH FOR ANISOTROPIC MATERIALS	TSAI, S. W. / WU, E. M.	6	279
------	--	-------------------------	---	-----

GENERATION

1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5	250
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

GENERATOR

1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V.	3	194
1976	FERRO-RESONANT CIRCUIT FOR A NEW FLYWHEEL MOTOR GENERATOR	AALAND, K.	1	54

GENERATORS

1970	FLYWHEEL GENERATORS FOR INSTANT POWER	ASHMOLE, P. H.	3	145
1973	FLYWHEELS	POST, R. F./POST, S. F.	1	25
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS	GILBERT, J. S./KERN, E. A.	3	183

GEOMETRY

1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
------	---	---------------	---	----

GEORGE, J. F.

1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J. F. /PERINI, L. L.	2	80
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L./BRANDT, A./GEORGE, J. F. /PERINI, L. L./RABENHORST, D. W. /SMALL, T. R./WEISS, R. O.	1	18

GEOSTATIONARY COMMUNICATION SATELLITE

1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHNEIN, F. J.	4	237
------	--	------------------------------------	---	-----

GEO THERMAL

1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S./ICERMAN, L.	5	243
------	--	---------------------------	---	-----

GEO THERMAL ENERGY

1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192
------	--	-------------------------------	---	-----

GEO THERMAL ENERGY CONVERSION

1974	NINTH WORLD ENERGY CONFERENCE. BRIEF SUMMARY	LUCCHINI, A. P.	5	246
------	--	-----------------	---	-----

GEO THERMAL POWER PLANTS

1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187
------	---	------	---	-----

GEO THERMAL WELLS

1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5	250
------	---	---------------	---	-----

GERMANY

1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A./KOTTMAYER, M./SCHLUETER, W. /VAU, G.	3	173
------	--	--	---	-----

GERSTLE, F. P.

1975	ON OPTIMAL SHAPES FOR ANISOTROPIC ROTATING DISKS.	GERSTLE, F. P. / BIGGS, F.	1	47
------	---	----------------------------	---	----

GIERA, B.

1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2	110
------	---	---------------------------------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

GILBERT, R. R.			
1971	FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION.FINAL REPORT	GILBERT, R. R./HARVEY, J.R./HEUER, G. E./LAWSON, L. J.	2 77
1972	FLYWHEEL DRIVE SYSTEMS STUDY.FINAL REPORT	GILBERT, R. R./HEUER, G.E./JACOBSEN, E. H./KUHN, E.B./LAWSON, L. J./WADA, W. T.	2 87
1972	HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4 226
GILBERT, J.S.			
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS	GILBERT, J.S./KERN, E.A.	3 183
GILDERSLEEVE, O.D.			
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3 176
GILMAN, J.J.			
1973	ENERGY STORAGE VIA FLYWHEELS	GILMAN, J.J. / HUCKE, E.E.	3 154
GIMBALLED MOMENTUM WHEELS			
1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHNEIN, F. J.	4 237
GINSBURG, T.			
1974	CAN FLYWHEELS REPLACE PUMPED STORAGE?	GINSBURG, T.	3 169
GLASS			
1969	EVALUATION OF HIGH-STRENGTH, HIGH-MODULUS BERYLLIUM OXIDE/GLASS FIBER	CHIAO, T. T./ LEWIS, A./KIMPLE, R. F.	6 276
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S./ CLEMENTS, L. L. / CHIAO, C. C.	6 364
1975	LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C.	6 366
1976	FLYWHEELS - PRACTICAL FLYWHEEL ENGINE: WILL FIBER GLASS BE THE ANSWER?	IL BUS W	2 136
GLASS FIBER			
1969	EVALUATION OF HIGH-STRENGTH, HIGH-MODULUS BERYLLIUM OXIDE/GLASS FIBER	CHIAO, T. T./ LEWIS, A./KIMPLE, R. F.	6 276
GLASS-REINFORCED PLASTICS			
1971	FRACTURE TOUGHNESS IN UNIDIRECTIONAL GLASS-REINFORCED PLASTICS	SANFORD, R. J. / STONESIFER, F. R.	6 287
GLASS-TRANSITION TEMPERATURE			
1976	A THERMODYNAMIC CRITERION FOR THE GLASS-TRANSITION TEMPERATURE.	CHRISTENSEN, R. M.	6 366
GLASS/EPOXY COMPOSITES -			
1974	STRESS RUPTURE OF GLASS/EPOXY COMPOSITES - ENVIRONMENT AND STRESS EFFECTS.	WU, E. M. / RUHMANN, D. C.	6 332

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

GOALS			
1970	POWER-SYSTEMS RESEARCH SHIFTS TO MEET SOCIAL GOALS	CHEM. ENG.	3 147
GORDON, H. S.			
1975	DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE FINAL REPORT	GORDON, H. S.	3 193
GOTTENBERG, W. G.			
1963	SOME INTERESTING ASPECTS OF GENERAL LINEAR VISCOELASTIC DEFORMATION	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 254
1964	AN EXPERIMENT FOR DETERMINATION OF THE MECHANICAL PROPERTY IN SHEAR FOR A LINEAR ISOTROPIC VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 256
1964	THE DYNAMIC RESPONSE OF A SOLID, VISCOELASTIC SPHERE TO TRANSLATIONAL AND ROTATIONAL EXCITATION.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 257
1966	PREDICTION OF THE TRANSIENT RESPONSE OF A LINEAR VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 260
GOVERNMENT INSTITUTES, INC.			
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRIK, P. A.	5 247
GOVERNMENT POLICIES			
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5 244
GOVERNMENT-WIDE REPORT			
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5 244
GOWARD, C. D.			
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / GOWARD, C. D. / KING, A. H. / MORTON D. F.	4 219
GRAPHITE			
1972	DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE TRUSS	BURNS, J. M. / TOLAND, R. H.	6 304
1973	GRAPHITE FIBER/EPOXY COMPOSITES	CHIAO, T. T. / MOORE, R. L. / WALKUP, C. M.	6 321
1974	STRESS-RUPTURE BEHAVIOR OF GRAPHITE FIBER/EPOXY STRANDS	MOORE, R. L. / CHIAO, T. T. / HAMSTAD, M. A.	6 324
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6 337
1974	TENSILE PROPERTIES OF AN ULTRAHIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6 344
GRAPHITE EPOXY			
1972	DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE TRUSS	BURNS, J. M. / TOLAND, R. H.	6 304
GRAPHITE FIBER			
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6 337
1974	TENSILE PROPERTIES OF AN ULTRAHIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6 344
GRAPHITE FIBER/EPOXY COMPOSITES			
1973	GRAPHITE FIBER/EPOXY COMPOSITES	CHIAO, T. T. / MOORE, R. L. / WALKUP, C. M.	6 321

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

GRAPHITE FIBER/EPOXY STRANDS			
1974	STRESS-RUPTURE BEHAVIOR OF GRAPHITE FIBER/EPOXY STRANDS	MOORE, R. L./ CHIAO, T. T./HAMSTAD, M. A.	6 324
GRAPHITE/EPOXY VESSELS			
1974	FATIGUE PERFORMANCE OF METAL-LINED GRAPHITE/EPOXY VESSELS	HAMSTAD, M. A./ CHIAO, T. T. /PATTERSON, R.	6 339
GREASE BEARING FLYWHEEL			
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4 230
GREASE LUBRICATED			
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4 230
GREASE-LUBRICATED BEARINGS			
1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G.	4 225
GREASE-LUBRICATED HYDRODYNAMIC BEARING			
1970	A GREASE-LUBRICATED HYDRODYNAMIC BEARING SYSTEM FOR A SATELLITE FLYWHEEL	REINHOUDT, J. P.	4 218
GREASEBER			
1975	APPLICATION SPIRAL-GROOVE BEARINGS ON SPACECRAFT	VANDERWAL, U.	4 236
GRIDS			
1978	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3 207
GRIDWORK METHOD			
1983	VIBRATION OF A 45-DEG. RIGHT TRIANGLE CANTILEVER PLATE BY A GRIDWORK METHOD.	CHRISTENSEN, R. M.	6 255
GRIMM, D. H.			
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A./GRIMM, D. H.	2 86
GROOVE BEARING			
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4 230
GROSU, S. I.			
1970	ACHIEVEMENTS AND PROSPECTS IN THE UTILIZATION OF KINETIC ENERGY	GROSU, S. I.	3 146
GULIA, N. V.			
1974	SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR	GULIA, N. V. / YUDOVSKII, I. D.	2 104
GYROSCOPES			
1975	ESTIMATING THE VELOCITIES OF THE CONTROL FLYWHEELS OF A FREE GYROSTAT	LITVIN-SEDOI, M. Z.	1 39

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

GYROSCOPIC EFFECT			
1974	GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES	GULIA, N. V. ET AL	2 105
HABERCOM, G. E.			
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	HABERCOM, G. E.	1 46
HAGEN, K.			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2 114
HAINES, J. E.			
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228
HALPIN, J. C.			
1969	CHARACTERIZATION OF ANISOTROPIC COMPOSITES	HALPIN, J. C. / PAGANO / WHITNEY / WU, E. M.	6 271
1972	KINETIC FAILURE PROCESSES OF POLYMERS	WU, E. M. / HALPIN, J. C.	6 290
HAMSTAD, M. A.			
1972	ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES	HAMSTAD, M. A.	6 306
1972	ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES	HAMSTAD, M. A.	6 307
1973	STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T. / WELLS, J. E. / MOORE, R. L. / HAMSTAD, M. A.	6 318
1973	ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT-WOUND BOTTLES	HAMSTAD, M. A. / CHIAO, T. T.	6 320
1973	FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN SYSTEM	CHIAO, T. T. / HAMSTAD, M. A. / MARCON, M. A. / HANAFEE, JR.	6 323
1974	STRESS-RUPTURE BEHAVIOR OF GRAPHITE FIBER/EPOXY STRANDS	MOORE, R. L. / CHIAO, T. T. / HAMSTAD, M. A.	6 324
1974	A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL	HAMSTAD, M. A. / CHIAO, T. T.	6 333
1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A. / CHIAO, T. T.	6 334
1974	ORGANIC FIBER/EPOXY PRESSURE VESSELS	CHIAO, T. T. / HAMSTAD, M. A. / MARCON, M. A.	6 336
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6 337
1974	POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT	HAMSTAD, M. A. / CHIAO, T. T. / JESSOP, E. S.	6 338
1974	FATIGUE PERFORMANCE OF METAL-LINED GRAPHITE/EPOXY VESSELS	HAMSTAD, M. A. / CHIAO, T. T. / PATTERSON, R.	6 339
1974	STRESS-RUPTURE OF EPOXY-COATED BE-WIRE	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6 342
1974	TENSILE PROPERTIES OF AN ULTRAHIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6 344
1974	ACOUSTIC EMISSION USES IN RESEARCH AND DEVELOPMENT OF COMPOSITE MATERIALS	HAMSTAD, M. A.	6 346
1975	TESTING OF FIBER COMPOSITE MATERIALS	CHIAO, T. T. / HAMSTAD, M. A.	6 348
1975	HIGH PERFORMANCE VESSELS FROM AN AROMATIC POLYAMIDE FIBER/EPOXY COMPOSITE	CHIAO, T. T. / HAMSTAD, M. A.	6 351
1975	FATIGUE LIFE OF ORGANIC FIBER/EPOXY PRESSURE VESSELS	HAMSTAD, M. A. / CHIAO, T. T. / PATTERSON, R. G.	6 354
1975	PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER IN SEVERAL EPOXY MATRICES	CHIAO, T. T. / JESSOP, E. S. / HAMSTAD, M. A.	6 357
HANAFEE, JR.			
1973	FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN SYSTEM	CHIAO, T. T. / HAMSTAD, M. A. / MARCON, M. A. / HANAFEE, JR.	6 323

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

HARMONIC WAVES			
1973	ATTENUATION OF HARMONIC WAVES IN LAYERED MEDIA	CHRISTENSEN, R. M.	6 314
HARRIS, L. C.			
1974	THE LUBRICATION OF BEARINGS AND SLIP RINGS IN VACUUM	ODONNELL, P. J. / HARRIS, L. C. / WARWICK, M. G.	1 38
HART, A.B.			
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G.C./HART, A.B./MOFFITT, R.D. /WRIGHT, J.	3 188
HARVEY, J.R.			
1971	FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION. FINAL REPORT	GILBERT, R. R./HARVEY, J.R./HEUER, G. E./LAWSON, L. J.	2 77
HAWKER SIDDELEY DYNAMICS, LTD.			
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228
1974	A 1000 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1 34
1974	A 150 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1 35
HAYDOCK, J. L.			
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3 172
HAZARDS			
1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2 103
HEAT AND ENERGY			
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 160
HEAT ENGINE			
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2 79
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J.F. /PERINI, L.L.	2 80
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2 82
1973	IS THERE A FLYWHEEL IN YOUR FUTURE	LAWSON, L. J.	2 94
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D.E./MELTZER, J.	2 118
HEAT ENGINE BATTERY			
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D.E./MELTZER, J.	2 118
HEAT ENGINE HYBRID			
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2 79
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J.F. /PERINI, L.L.	2 80
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2 82
HEAT ENGINE/ELECTRIC SYSTEMS			
1971	EVALUATION OF HYBRID HEAT ENGINE/ELECTRIC SYSTEMS FOR LOW EXHAUST EMISSION POTENTIAL IN AUTOMOTIVE APPLICATIONS	LAPEDES, D.E./MELTZER, J.	2 78

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

HEAT ENGINES

1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2	70
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES. FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2	75
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J.F. /PERINI, L.L.	2	80
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2	82
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M.A./GRIMM, D.H.	2	86
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E./HINTON, M.G./MELTZER, J. /IURA, T./DYKEMA, O./FORREST, L./HAGEN, K./KETTLER, J./LAFRANCE, R./SMALLEY, W.	2	114
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	120

HEAT STORAGE

1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5	242
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	160
1974	ENERGY STORAGE TECHNOLOGY	VANDERRYN, J.	3	171
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3	172
1974	STORAGE OF HIGH-GRADE ENERGY	MCALLAN, J.V.	5	245
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	178
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5	248

HEAT-ENGINE

1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L./BRANDT, A./GEORGE, J.F. /PERINI, L.L./RABENHORST, D. W. /SMALL, T.R./WEISS, R.O.	1	18
------	--	--	---	----

HEATING

1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O.W./MORASH, R.T./BARBER, R. J.	3	159
1974	ENERGY STORAGE. (1): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A.L.	3	185

HELICOPTER HOIST PROGRAM

1972	HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4	228
------	---	---	---	-----

HELLING, J.

1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2	110
------	---	--	---	-----

HELSLEY, C. W.

1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4	216
1969	WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4	217

HELVEY, M. R.

1972	HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4	228
------	---	---	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

HENRY, E. A.			
1976 RESEARCH LEADING TO THE PRODUCTION AND EARLY USE OF NUMERIC DATA BANKS OF MATERIAL PROPERTIES AND SYSTEM ANALYSES	HENRY, E. A.	1	56
HERONEMUS, W. E.			
1975 WIND POWER	HERONEMUS, W. E.	6	249
HERRIDGE, J. T.			
1969 STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.	2	69
HETEROGENEOUS MEDIA			
1969 VISCOELASTIC PROPERTIES OF HETEROGENEOUS MEDIA	CHRISTENSEN, R. M.	6	274
HETHERINGTON, N. W.			
1972 STRESS-RUPTURE OF SIMPLE S-GLASS/EPOXY COMPOSITES	CHIAO, T. T. / LEPPER, J. K. / HETHERINGTON, N. W. / MOORE, R. L.	6	302
HEUER, G. E.			
1971 FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION. FINAL REPORT	GILBERT, R. R. / HARVEY, J. R. / HEUER, G. E. / LAWSON, L. J.	2	77
1972 FLYWHEEL DRIVE SYSTEMS STUDY. FINAL REPORT	GILBERT, R. R. / HEUER, G. E. / JACOBSEN, E. H. / KUHN, E. B. / LAWSON, L. J. / WADA, W. T.	2	87
HIGH CAPACITY KINETIC			
1973 NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3	155
HIGH ENERGY DENSITY			
1971 DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
HIGH ENERGY EFFICIENCY			
1973 ACHIEVING HIGH ENERGY EFFICIENCY	INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE	3	162
HIGH PERFORMANCE			
1972 HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4	226
1975 HIGH PERFORMANCE VESSELS FROM AN AROMATIC POLYAMIDE FIBER/EPOXY COMPOSITE	CHIAO, T. T. / HAMSTAD, M. A.	6	351
HIGH PERFORMANCE VESSELS			
1975 HIGH PERFORMANCE VESSELS FROM AN AROMATIC POLYAMIDE FIBER/EPOXY COMPOSITE	CHIAO, T. T. / HAMSTAD, M. A.	6	351
HIGH SPEED TURBOMACHINERY			
1970 APPLICATION OF AIR BEARINGS TO HIGH SPEED TURBOMACHINERY	BARNETT, M. A. / SILVER, A.	1	13
HIGH STRENGTH FIBERS			
1974 FATIGUE PERFORMANCE OF METAL-LINED GRAPHITE/EPOXY VESSELS	HAMSTAD, M. A. / CHIAO, T. T. / PATTERSON, R.	6	339

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

HIGH STRENGTH POLYAMIDE

1976	CHEMISTRY AND TECHNOLOGY OF HIGH STRENGTH POLYAMIDE FIBERS	LARSEN, F. N.	6	377
------	--	---------------	---	-----

HIGH TEMPERATURE

1967	THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF TWO ANGLE WOUND PIPE	CHIAO, T. T.	6	265
1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5	242
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2	111
1974	ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3	165
1974	ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT	KALHAMMER, F.	3	174
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3	177

HIGH-DENSITY INERTIAL-ENERGY STORAGE

1975	DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE	BROBECK, W. M. ASSOC.	1	44
1975	DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE FINAL REPORT	GORDON, H. S.	3	193

HIGH-EFFICIENCY ELECTRIC-DRIVE

1974	ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE	POST, R. F.	2	101
------	---	-------------	---	-----

HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE

1974	ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE	POST, R. F.	2	101
------	---	-------------	---	-----

HIGH-ENERGY

1969	FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE	SVENSSON, A. / WETHERBEE, A. E.	3	142
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS	GILBERT, J. S. / KERN, E. A.	3	183

HIGH-ENERGY STORAGE

1969	FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE	SVENSSON, A. / WETHERBEE, A. E.	3	142
------	---	---------------------------------	---	-----

HIGH-GRADE ENERGY

1974	STORAGE OF HIGH-GRADE ENERGY	MCALLAN, J. V.	5	245
------	------------------------------	----------------	---	-----

HIGH-MODULUS BERYLLIUM OXIDE/

1969	EVALUATION OF HIGH-STRENGTH, HIGH-MODULUS BERYLLIUM OXIDE/GLASS FIBER	CHIAO, T. T. / LEWIS, A. / KIMPLE, R. F.	6	276
------	---	--	---	-----

HIGH-PERFORMANCE FILAMENT WINDING

1975	SCREENING OF EPOXY SYSTEMS FOR HIGH-PERFORMANCE FILAMENT WINDING APPLICATIONS	CHIAO, T. T. / JESSOP, E. S. / PENN, L. S.	6	355
------	---	--	---	-----

HIGH-PERFORMANCE ORGANIC FIBER

1975	CHEMICAL CHARACTERIZATION OF A HIGH-PERFORMANCE ORGANIC FIBER	PENN, LYNN / NEWBY, H. A. / CHIAO, T. T.	6	352
------	---	--	---	-----

HIGH-SPEED ENERGY WHEEL

1970	HIGH-SPEED ENERGY WHEEL OFFERS TROLLEYS PORTABLE ELECTRICITY	PRODUCT ENGINEERING	2	72
------	--	---------------------	---	----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

HIGH-STRENGTH

1969 EVALUATION OF HIGH-STRENGTH, HIGH-MODULUS BERYLLIUM OXIDE/ GLASS FIBER	CHIAO, T. T./ LEWIS, A./KIMPLE, R. F.	6 276
--	--	-------

HINTON, M.G.

1974 CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E./HINTON, M.G./MELTZER, J. /IURA, T./DYKEMA, O./FORREST, L./HAGEN, K./KETTLER, J./LAFRANCE, R./SMALLEY, W.	2 114
1974 CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E./HINTON, M.G./MELTZER, J. /IURA, T.	2 116

HIROTA, T.

1975 HYBRID POWER SYSTEM	SUGIYAMA, H./HIROTA, T./KAKEI, J. /KABASAWA, Y.	2 129
--------------------------	--	-------

HOESS, J.A.

1969 STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW- POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J.A./CHEANEY, E.S./CRESWICK, P. A./TRAYSER, D.A./FISCHER, R.D. /TIMBERLAKE, A.B./BASHAM, S.J. /HERRIDGE, J.T. /WILCOX, J. P.	2 69
--	--	------

HOHENEMSER, K.

1970 WIND UP CAR	HOHENEMSER, K. / MCCAULL, J.	2 71
------------------	------------------------------	------

HOIST PROGRAM

1972 HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4 226
--	---	-------

HOLLANDSE SIGNAALAPPARATEN B. V.

1974 FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4 230
1975 APPLICATION SPIRAL-GROOVE BEARINGS ON SPACECRAFT	VANDERWAL, U.	4 236

HOLOGRAPHIC EXAMINATION

1975 HOLOGRAPHIC EXAMINATION OF A COMPOSITE PRESSURE VESSEL	MEYER, M.D./KATAYANAGI, T. E.	6 360
---	-------------------------------	-------

HOMOPOLAR GENERATORS

1975 ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH- ENERGY, SPACE-BASED LASERS	GILBERT, J.S./KERN, E.A.	3 183
---	--------------------------	-------

HOMOPOLAR MACHINE

1973 INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H.G./ROWBERG, R.E./TOLK, K.M. /WELDON, W.F./WOODSON, H.H.	3 156
--	--	-------

HOMOPOLAR MOTOR-GENERATOR

1973 INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H.G./ROWBERG, R.E./TOLK, K.M. /WELDON, W.F./WOODSON, H.H.	3 156
--	--	-------

HOT GAS MOTOR

1959 COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2 60
---	----------------	------

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

HOUSES			
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W. / MORASH, R. T. / BARBER, R. J.	3 159
HSU, C. S.			
1972	NON-STATIONARY RANDOM VIBRATION OF NONLINEAR STRUCTURES	TOLAND, R. H. / YANG, C. Y. / HSU, C. S.	6 303
HUBERT'S 1989 ESTIMATE			
1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5 243
HUCKE, E. E.			
1973	ENERGY STORAGE VIA FLYWHEELS	GILMAN, J. J. / HUCKE, E. E.	3 154
HVDC SYSTEMS			
1974	ELECTRIC POWER SYSTEMS	ERDA	3 179
HYBRID AUTOMOTIVE ENGINE			
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H. / TORRES, F.	2 117
HYBRID CAR			
1973	HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL TIME TRANSPORTATION	LINDSLEY, E. F.	2 97
HYBRID DRIVE			
1973	APPLICATION OF TWO-PHASE DC CHOPPER MOTOR DRIVE	REIMERS, E.	2 95
1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2 110
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2 133
HYBRID ELECTRIC POWER			
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.	DAVIS, D. D.	2 134
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.	DAVIS, D. D.	2 135
HYBRID ELECTRIC PROPULSION			
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2 91
HYBRID ELECTRIC-POWERED VEHICLES			
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2 83
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R. / FLEMING, R. D.	2 102
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2 111
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2 114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2 115
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2 118
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

HYBRID HEAT ENGINE

- | | | | | |
|------|---|-------------------------|---|-----|
| 1974 | STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES | LAPEDES,D.E./MELTZER,J. | 2 | 118 |
|------|---|-------------------------|---|-----|

HYBRID HEAT ENGINE/ELECTRIC

- | | | | | |
|------|---|-------------------------|---|----|
| 1971 | EVALUATION OF HYBRID HEAT ENGINE/ELECTRIC SYSTEMS FOR LOW EXHAUST EMISSION POTENTIAL IN AUTOMOTIVE APPLICATIONS | LAPEDES,D.E./MELTZER,J. | 2 | 78 |
|------|---|-------------------------|---|----|

HYBRID POWER SYSTEM

- | | | | | |
|------|---------------------|--|---|-----|
| 1975 | HYBRID POWER SYSTEM | SUGIYAMA,H./HIROTA,T./KAKEI,J.
/KABASAWA,Y. | 2 | 129 |
|------|---------------------|--|---|-----|

HYBRID POWER TRAIN

- | | | | | |
|------|-------------------------------------|---------------|---|----|
| 1973 | ELECTRIC VEHICLE HYBRID POWER TRAIN | KUGLER, G. C. | 2 | 92 |
|------|-------------------------------------|---------------|---|----|

HYBRID PROPULSION SYSTEMS

- | | | | | |
|------|---|---|---|----|
| 1971 | FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES | DUGGER, G. L./BRANDT,A./GEORGE,J.F.
/PERINI,L.L. | 2 | 80 |
| 1972 | HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES.FINAL REPORT | DUGGER, G. L./BRANDT,A./GEORGE,J.F.
/PERINI,L.L./RABENHORST, D. W.
/SMALL,T.R./WEISS,R.O. | 1 | 18 |

HYBRID PROPULSION SYSTEM

- | | | | | |
|------|--|-----------------------------|---|----|
| 1971 | FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM | MECHANICAL TECHNOLOGY, INC. | 2 | 82 |
| 1972 | HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION,PHASE I. FINAL REPORT | CORDNER,M.A./GRIMM,D.H. | 2 | 86 |

HYBRID SYSTEMS

- | | | | | |
|------|---|---|---|-----|
| 1969 | STUDY OF UNCONVENTIONAL THERMAL,MECHANICAL,AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES | HOESS,J.A./CHEANEY,E.S./CRESWICK,F.
A./TRAYSER,D.A./FISCHER,R.D.
/TIMBERLAKE,A.B./BASHAM,S.J.
/HERRIDGE,J.T./WILCOX, J. P. | 2 | 69 |
| 1971 | DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES | LAWSON, L. J. | 2 | 79 |
| 1971 | FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES | DUGGER, G. L./BRANDT,A./GEORGE,J.F.
/PERINI,L.L. | 2 | 80 |
| 1971 | FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM | MECHANICAL TECHNOLOGY, INC. | 2 | 82 |
| 1972 | HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION,PHASE I. FINAL REPORT | CORDNER,M.A./GRIMM,D.H. | 2 | 86 |
| 1972 | FLYWHEEL DRIVE SYSTEMS STUDY.FINAL REPORT | GILBERT, R. R./HEUER,G.E./JACOBSEN,
E. H./KUHN,S.E.B./LAWSON, L. J./WADA,
W. T. | 2 | 87 |
| 1974 | EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE | ALLSUP,J.R./FLEMING,R.D. | 2 | 102 |
| 1974 | BATTERY POWERED VEHICLE DRIVE | DEANE, C. T. | 2 | 106 |
| 1974 | CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS. | LAPEDES,D.E./HINTON,M.G./MELTZER,J.
/IURA,T./DYKEMA,O./FORREST,L./HAGEN,
K./KETTLE,J./LAFRANCE,R./SMALLEY,W. | 2 | 114 |
| 1974 | HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE | SCHRECK, H./TORRES, F. | 2 | 117 |
| 1974 | STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES | LAPEDES,D.E./MELTZER,J. | 2 | 118 |
| 1975 | AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974. | LEHMANN, E. J. | 2 | 124 |
| 1975 | HYBRID POWER SYSTEM | SUGIYAMA,H./HIROTA,T./KAKEI,J.
/KABASAWA,Y. | 2 | 129 |
| 1976 | HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE | SCHRECK, H. / TORRES, F. | 2 | 133 |

HYBRID VEHICLE DRIVES

- | | | | | |
|------|---|---------------|---|----|
| 1971 | DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES | LAWSON, L. J. | 2 | 79 |
|------|---|---------------|---|----|

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

HYBRID VEHICLE USE		
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R. / FLEMING, R. D. 2 102
HYBRID VEHICLES		
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S. 2 100
1974	ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE	POST, R. F. 2 101
1975	HYBRID VEHICLES	VIVIAN, H. C. 2 131
HYBRIDS		
1971	LIFT FOR THE AUTO: ENGINE-FLYWHEEL HYBRIDS	MCCAULL, J. 2 85
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. 1 18 / PERINI, L. L. / RABENHORST, D. W. / SMALL, T. R. / WEISS, R. O.
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G. 2 111
1976	FLYWHEELS: ENERGY-SAVING WAY TO GO	ENVIRONMENTAL SCIENCE AND TECHNOLOGY 2 137
HYDRAULIC POWER		
1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP. 3 149
HYDRAULIC TRANSMISSION		
1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP. 3 149
HYDRAULIC TRANSMISSION COUPLED		
1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP. 3 149
HYDRAULIC VIBRATOR		
1968	CAPTURED LOAD RESILIENCE OF A HYDRAULIC VIBRATOR SAVES POWER	LANKESTER, J. A. 1 9
HYDRAULICS		
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO. 3 180
HYDRAZINE		
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. 2 115 / IURA, T.
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M. 2 119
HYDRO THERMAL		
1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L. 5 243
HYDROCARBONS		
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R. / FLEMING, R. D. 2 102
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J. 2 118
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M. 2 119
HYDRODYNAMIC BEARINGS -		
1972	LOW PEAK TEMPERATURES AND HYDRODYNAMIC BEARINGS - KEY TO LONG LIFE ORGANIC RANKINE CYCLE SYSTEMS	BORETZ, J. E. 3 150
HYDRODYNAMIC BEARING SYSTEM		
1970	A GREASE-LUBRICATED HYDRODYNAMIC BEARING SYSTEM FOR A SATELLITE FLYWHEEL	REINHOUDT, J. P. 4 218

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

HYDRODYNAMIC GAS BEARINGS			
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / SWAIN, J.	4 221
HYDRODYNAMICS			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70
HYDROELECTRIC			
1976	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5 251
HYDROELECTRIC POWER PLANTS			
1974	ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3 165
HYDROELECTRIC POWER			
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5 244
1974	ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W. E.	3 168
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3 187
HYDROGEN			
1974	ENERGY STORAGE. (II): DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A. L.	3 166
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5 244
1974	STORAGE OF HIGH-GRADE ENERGY	MCALLAN, J. V.	5 245
1974	ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT	KALHAMMER, F.	3 174
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3 176
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3 177
1974	ELECTRIC POWER SYSTEMS	ERDA	3 179
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3 205
1976	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5 251
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.	5 252
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3 207
HYDROGEN FUELS			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.	2 69
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2 115
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2 119
HYDROGEN GENERATORS			
1975	UTILITIES EYE LARGE-SCALE ENERGY STORAGE	RICCI, L. J.	3 184
HYDROGEN PEROXIDE TURBINE			
1975	POWER PLANT	ARIGA, H.	3 197
HYDROGEN POWERED			
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2 111

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

HYDROSTATIC DRIVE			
1972	TWO NEW WEAPONS AGAINST AUTOMOTIVE AIR POLLUTION: THE HYDROSTATIC DRIVE AND THE FLYWHEEL-ELECTRIC LDV.	WHITLAW, R. L.	2 90
HYNE, A.			
1974	IMPROVED REGENERATIVE BRAKING SYSTEM	HYNE, A. / ZUCKER, O.	2 121
IBM SYSTEMS DEVELOPMENT DIVISION			
1972	FLYWHEEL ENERGY BUFFER	JAKUBOWSKI, M.	3 151
ICERMAN, L.			
1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5 243
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5 248
IDEA ON FLYWHEELS			
1970	A NEW TECHNICAL IDEA ON FLYWHEELS {NOUVELLE CONCEPTION TECHNIQUE DES VOLANTS D'INERTIE}	POUBEAU, P.	4 220
IDEAS AND EXPERIMENTS			
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2 132
IMPACT			
1972	FAILURE MODES IN IMPACT LOADED COMPOSITE MATERIALS	TOLAND, R. H.	6 301
1973	INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE MATERIALS	TOLAND, R. H.	6 319
1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5 243
IMPACT LOADED COMPOSITE			
1972	FAILURE MODES IN IMPACT LOADED COMPOSITE MATERIALS	TOLAND, R. H.	6 301
IMPACT TESTING			
1973	INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE MATERIALS	TOLAND, R. H.	6 319
IMPLEMENTATION PLANS			
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5 244
IMPROVED REGENERATIVE BRAKING			
1974	IMPROVED REGENERATIVE BRAKING SYSTEM	HYNE, A. / ZUCKER, O.	2 121
IMPROVED ROTATABLE MASS			
1975	AN IMPROVED ROTATABLE MASS FOR A FLYWHEEL	WEYLER, GEORGE M. JR. PATENT APPLICATION 14 NOV 1975	1 51
IMPROVEMENT OF GREASE			
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4 230
IN VACUUM			
1974	THE LUBRICATION OF BEARINGS AND SLIP RINGS IN VACUUM	ODONNELL, P. J. / HARRIS, L. C. / WARWICK, M. G.	1 38

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

INCENTIVES AND PROSPECTS

1974 ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT KALHAMMER, F. 3 174

INCLUSIONS

1974 WAVE PROPAGATION IN ELASTIC MEDIA WITH A PERIODIC ARRAY OF DISCRETE INCLUSIONS CHRISTENSEN, R. M. 6 331

INCREASED FUEL ECONOMY

1975 INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT BEACHLEY, N. H. / FRANK, A. A. 2 128

INDEPENDENT ENERGY SYSTEMS

1974 INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY MARSHALL, O. W. / MORASH, R. T. / BARBER, R. J. 3 159

INDUCTIVE ENERGY STORAGE

1975 ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS GILBERT, J. S. / KERN, E. A. 3 183

INDUSTRY

1974 ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY KELLER, W. E. 3 168
 1975 DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY EPRI 3 187

INERTIA AND TIME

1963 DETERMINING INERTIA AND TIME REQUIREMENTS FOR FLYWHEEL MACHINES SPOTTS, M. F. 1 1

INERTIA STORAGE

1974 GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES GULIA, N. V. ET AL 2 105

INERTIAL ENERGY STORAGE

1972 INERTIAL ENERGY STORAGE APPARATUS AND SYSTEM FOR UTILIZING THE SAME POST, R. F. / POST, S. F. 2 88
 1973 INERTIAL ENERGY STORAGE APPARATUS POST, S. F. 2 96

INERTIAL-ENERGY STORAGE

1975 DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE BROBECK, W. M. ASSOC. 1 44
 1975 DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE FINAL REPORT GORDON, H. S. 3 193

INFLUENCE OF COMPRESSION

1965 A FRACTURE CRITERION FOR ORTHOTROPIC PLATES UNDER THE INFLUENCE OF COMPRESSION AND SHEAR WU, E. M. 6 258

INFORMATION

1975 DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY EPRI 3 187

INSPECTION

1974 SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION NATIONAL ACADEMY OF SCIENCES 2 103
 1975 SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION PUGET SOUND POWER AND LIGHT CO. 3 180
 1975 THREE MILE ISLAND NUCLEAR STATION, UNIT 2. RO INSPECTION REPORT NO. 75-01 AND CORRESPONDENCE METROPOLITAN EDISON CO. 3 182

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

INSPECTION REPORT			
1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2, RO INSPECTION REPORT NO. 75-01 AND CORRESPONDENCE	METROPOLITAN EDISON CO.	3 182
INSTANT POWER			
1970	FLYWHEEL GENERATORS FOR INSTANT POWER	ASHMOLE, P. H.	3 145
INSTITUTE OF ENVIRONMENTAL SCIENCES			
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J.	2 122
INSTRUMENTED IMPACT TESTING			
1973	INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE MATERIALS	TOLAND, R. H.	6 319
INTEGRATED POWER/ATTITUDE CONTROL			
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4 231
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 2: CONCEPTUAL DESIGNS	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4 232
1975	DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)	NOTTI, J. E. / CORMACK, A.	4 240
INTEGRITY			
1975	REACTOR COOLANT PUMP FLYWHEEL INTEGRITY	NUCLEAR REGULATORY COMM.	3 196
INTERFACIAL FRACTURE PHENOMENA			
1969	INTERFACIAL FRACTURE PHENOMENA	WU, E. M. / THOMAS, R. L.	6 273
INTERLAMINAR SHEAR TEST			
1975	EVALUATION OF INTERLAMINAR SHEAR TEST FOR FIBER COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6 350
INTERNAL AND EXTERNAL			
1967	THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF TWO ANGLE WOUND PIPE	CHIAO, T. T.	6 265
INTERNAL BOUNDARY			
1965	RESPONSE TO PRESSURIZATION OF A VISCOELASTIC CYLINDER WITH AN ERODING INTERNAL BOUNDARY.	CHRISTENSEN, R. M. / SCHREINER, R. N.	1 5
INTERNAL COMBUSTION ENGINES			
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES. FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2 75
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2 111
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2 128
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2 133
INTERNAL COMBUSTION ENGINE			
1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2 110
INTERNATIONAL ELECTRIC VEHICLE			
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2 83

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE		INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE	3 152
1973	ACHIEVING HIGH ENERGY EFFICIENCY		
INVARIANTS - THEORY			
1972	STRENGTH TENSORS AND THEIR INVARIANTS - THEORY AND EXPERIMENT	WU, E. M.	6 291
INVERSION			
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3 195
INVERTERS			
1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4 210
INVESTIGATION			
1972	EXPERIMENTAL INVESTIGATION OF FRACTURE IN AN ADVANCED FIBER COMPOSITE	KONISH, H. J. / SWEDLOW, J. L. / CRUSE, T. A.	6 294
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H.	3 156
INVESTIGATION OF FRACTURE			
1972	EXPERIMENTAL INVESTIGATION OF FRACTURE IN AN ADVANCED FIBER COMPOSITE	KONISH, H. J. / SWEDLOW, J. L. / CRUSE, T. A.	6 294
INVESTMENT			
1974	ENERGY STORAGE.(II):.DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A. L.	3 166
IPACS			
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4 231
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 2: CONCEPTUAL DESIGNS	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4 232
1975	DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)	NOTTI, J. E. / CORMACK, A.	4 240
IRON CHLORIDE			
1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5 242
IRON FLYWHEEL			
1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P. J.	1 40
ISOLATION			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
ISOTENSOID			
1972	APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R.	4 224
ISOTENSOID DESIGN			
1964	THE UNIFORM-STRESS SPINNING FILAMENTARY DISK	KYSER, A. C.	1 3

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ISOTENSOID FLYWHEEL			
1972	APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R.	4 224
ISOTENSOID FLYWHEELS			
1972	APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R.	4 224
ISOTROPIC VISCOELASTIC SOLID			
1984	AN EXPERIMENT FOR DETERMINATION OF THE MECHANICAL PROPERTY IN SHEAR FOR A LINEAR ISOTROPIC VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 256
ITERATIVE PROCEDURES			
1974	ITERATIVE PROCEDURES FOR CALCULATING THE FIRST TORSIONAL EIGENFREQUENCY OF A SHAFT WITH SEVERAL FLYWHEELS	ATZORI, B. / CURTI, G.	1 31
IURA, T.			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2 114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2 115
JACOBSEN, E. H.			
1972	FLYWHEEL DRIVE SYSTEMS STUDY. FINAL REPORT	GILBERT, R. R. / HEUER, G. E. / JACOBSEN, E. H. / KUHN, S. B. / LAWSON, L. J. / WADA, W. T.	2 87
1972	HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4 226
JAFFEE, R. I.			
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5 250
JAKUBOWSKI, M.			
1972	FLYWHEEL ENERGY BUFFER	JAKUBOWSKI, M.	3 151
JERINA, K. J.			
1971	COMPUTER AIDED MECHANICAL TESTING OF COMPOSITES	WU, E. M. / JERINA, K. J.	6 286
JERINA, K. L.			
1973	DATA AVERAGING OF ANISOTROPIC MATERIAL CONSTANTS	WU, E. M. / JERINA, K. L. / LAVENGOD, R. E.	6 311
JESSOP, E. S.			
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6 337
1974	POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT	HAMSTAD, M. A. / CHIAO, T. T. / JESSOP, E. S.	6 338
1974	AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T. / JESSOP, E. S. / NEWBY, H. A.	6 340
1974	STRESS-RUPTURE OF EPOXY-COATED BE-WIRE	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6 342
1974	TENSILE PROPERTIES OF AN ULTRAHIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6 344
1974	A MODERATE-TEMPERATURE-CURABLE EPOXY FOR ADVANCED COMPOSITE	CHIAO, T. T. / JESSOP, E. S. / NEWBY, H. A.	6 345
1975	SCREENING OF EPOXY SYSTEMS FOR HIGH-PERFORMANCE FILAMENT WINDING APPLICATIONS	CHIAO, T. T. / JESSOP, E. S. / PENN, L. S.	6 355

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

JESSOP, E. S. (CONTD.)

1975	PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER IN SEVERAL EPOXY MATRICES	CHIAO, T. T./ JESSOP, E. S./HAMSTAD, M. A.	6 357
------	---	--	-------

JOHNS HOPKINS UNIV.

1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J. F. /PERINI, L. L.	2 80
1971	POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2 81
1971	MATERIAL REQUIREMENTS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	1 17
1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2 112
1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L.	3 188

JOHNS HOPKINS UNIV., APPLIED PHYSICS LAB.

1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J. C. / FRAZER, R. / RUBINSTEIN, N.	5 241
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L./BRANDT, A./GEORGE, J. F. /PERINI, L. L./RABENHORST, D. W. /SMALL, T. R./WEISS, R. O.	1 18
1973	DESIGN CONSIDERATIONS FOR A 100-MEGAJOULE/500-MEGAWATT SUPERFLYWHEEL	RABENHORST, D. W. / TAYLOR, R. J.	1 28

JOHNS HOPKINS UNIV., APPLIED PHYSICS LAB. OFFICE OF NAVAL RESEARCH

1974	MULTIRIM SUPERFLYWHEEL. TECHNICAL MEMO	RABENHORST, D. W.	1 33
------	--	-------------------	------

JOHNSON, C. W.

1974	PROBABILISTIC DESIGN OF COMPOSITE STRUCTURES	MAXWELL, R. / TOLAND, R. H. / JOHNSON, C. W.	6 329
------	--	--	-------

KABASAWA, Y.

1975	HYBRID POWER SYSTEM	SUGIYAMA, H./HIROTA, T./KAKEI, J. /KABASAWA, Y.	2 129
------	---------------------	---	-------

KAKEI, J.

1975	HYBRID POWER SYSTEM	SUGIYAMA, H./HIROTA, T./KAKEI, J. /KABASAWA, Y.	2 129
------	---------------------	---	-------

KALHAMMER, F.

1974	ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT	KALHAMMER, F.	3 174
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3 177

KALHAMMER, F. R.

1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3 181
1976	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5 251

KALRA, P.

1975	DYNAMIC BRAKING	KALRA, P.	2 125
------	-----------------	-----------	-------

KATAYANAGI, T. E.

1975	HOLOGRAPHIC EXAMINATION OF A COMPOSITE PRESSURE VESSEL	MEYER, M. D./KATAYANAGI, T. E.	6 380
------	--	--------------------------------	-------

KELLER, W. E.

1974	ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W. E.	3 168
------	--	---------------	-------

KERN, E. A.

1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS	GILBERT, J. S./KERN, E. A.	3 183
------	---	----------------------------	-------

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

KERN, E. A. (CONTD.)

KETTLER, J.

1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2 114
------	---	---	-------

KEVLAR/EPOXY AND KEVLAR/GRAPHITE/EPOXY

1975	KEVLAR/EPOXY AND KEVLAR/GRAPHITE/EPOXY COMPOSITES FOR THE C-4 (TRIDENT) CHAMBER PROGRAM	CLEMENTS, L. L. / MOORE, R. L. / MONES, E. T. / CHIAO, T. T.	6 353
------	---	--	-------

KEW

1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2 103
------	--	------------------------------	-------

KHUDOZHILOV, V. A.

1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A.	1 29
------	--	-------------------------------------	------

KILGORE, L. A.

1971	OPERATING LARGE EXCAVATORS ON SMALL POWER SYSTEMS	KILGORE, L. A. / WASHBURN, D. C.	3 148
------	---	----------------------------------	-------

KIMPLE, R. F.

1989	EVALUATION OF HIGH-STRENGTH, HIGH-MODULUS BERYLLIUM OXIDE/GLASS FIBER	CHIAO, T. T. / LEWIS, A. / KIMPLE, R. F.	6 276
------	---	--	-------

KINETIC ENERGY

1970	ACHIEVEMENTS AND PROSPECTS IN THE UTILIZATION OF KINETIC ENERGY	GROSU, S. I.	3 146
1972	THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE	RABENHORST, D. W.	1 19
1972	APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J.	2 89
1973	ENERGY STORAGE VIA FLYWHEELS	GILMAN, J. J. / HUCKE, E. E.	3 154
1973	KINETIC ENERGY STORAGE: A 'NEW' PROPULSION ALTERNATIVE FOR MASS TRANSPORTATION	LAWSON, L. J.	2 98
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3 155
1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2 103
1974	KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE	BAXTER, J. W. / LAWSON, L. J.	2 107
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H. / TORRES, F.	2 117
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2 120
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J.	2 122
1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3 198
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2 133

KINETIC ENERGY PROPULSION

1972	APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J.	2 89
------	---	---------------	------

KINETIC ENERGY STORAGE

1972	THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE	RABENHORST, D. W.	1 19
1973	KINETIC ENERGY STORAGE: A 'NEW' PROPULSION ALTERNATIVE FOR MASS TRANSPORTATION	LAWSON, L. J.	2 98
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H. / TORRES, F.	2 117
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2 120
1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3 198

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

KINETIC ENERGY STORE			
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2 133
KINETIC ENERGY SYSTEMS			
1974	KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE	BAXTER, J. W. / LAWSON, L. J.	2 107
KINETIC ENERGY WHEEL			
1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2 103
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J.	2 122
KINETIC ENERGY WHEELS			
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3 155
KINETIC FAILURE PROCESSES			
1972	KINETIC FAILURE PROCESSES OF POLYMERS	WU, E. M. / HALPIN, J. C.	6 290
KING, A. H.			
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / GOWARD, C. D. / KING, A. H. / MORTON D. F.	4 219
KIRK, JAMES A.			
1976	MECHANICAL CAPACITOR	KIRK, JAMES A. / STUDER, PHILIP A. / EVANS, HAROLD E.	3 206
KITANO, Y.			
1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3 158
KNOBLOCH, A.			
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A. / KOTTMAIR, M. / SCHLUETER, W. / VAU, G.	3 173
KONISH, H. J.			
1972	EXPERIMENTAL INVESTIGATION OF FRACTURE IN AN ADVANCED FIBER COMPOSITE	KONISH, H. J. / SWEDLOW, J. L. / CRUSE, T. A.	6 294
KOTTMAIR, M.			
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A. / KOTTMAIR, M. / SCHLUETER, W. / VAU, G.	3 173
KRITZER, R.			
1972	CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING DISKS AND FLYWHEELS	KRITZER, R.	1 20
KUGLER, G. C.			
1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C.	2 92
KUHNS, E. B.			
1972	FLYWHEEL DRIVE SYSTEMS STUDY. FINAL REPORT	GILBERT, R. R. / HEUER, G. E. / JACOBSEN, E. H. / KUHNS, E. B. / LAWSON, L. J. / WADA, W. T.	2 87

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

KURSK POLYTECH. INST., USSR 1974 SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR	GULIA, N. V. / YUDOVSKII, I. D.	2	104
KYSER, A. C. 1984 THE UNIFORM-STRESS SPINNING FILAMENTARY DISK	KYSER, A. C.	1	3
LAFRANCE, R. 1974 CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2	114
LAMINATE STRENGTH 1974 LAMINATE STRENGTH - A DIRECT CHARACTERIZATION PROCEDURE	WU, E. M. / SCHUEBLEIN, J. K.	6	330
LAMPE, D. 1974 SUPERFLYWHEEL: THE BATTERY THAT SPINS	LAMPE, D.	1	36
LANE, J. E. 1975 IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2	132
LANKESTER, J. A. 1988 CAPTURED LOAD RESILIENCE OF A HYDRAULIC VIBRATOR SAVES POWER	LANKESTER, J. A.	1	9
LAPEDES, D. E. 1971 EVALUATION OF HYBRID HEAT ENGINE/ELECTRIC SYSTEMS FOR LOW EXHAUST EMISSION POTENTIAL IN AUTOMOTIVE APPLICATIONS 1974 CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS. 1974 CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS. 1974 STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J. LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W. LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. LAPEDES, D. E. / MELTZER, J.	2 2 2 2	78 114 115 118
LARDER, R. A. 1974 THE APPLICATION OF THREE DIMENSIONAL FINITE ELEMENT ANALYSIS TO THE MICRO-MECHANICS OF FIBROUS COMPOSITE MATERIALS 1975 STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS. 1975 STRENGTH DISTRIBUTION OF SINGLE FILAMENTS	LARDER, R. A. LARDER, R. A. LARDER, R. A. / BEADLE, C. W.	6 6 6	343 349 359
LARGE ELASTIC DEFORMATION 1987 LARGE ELASTIC DEFORMATION OF A SPHERICAL WEDGE	CHRISTENSEN, R. M.	1	7
LARGE EXCAVATORS 1971 OPERATING LARGE EXCAVATORS ON SMALL POWER SYSTEMS	KILGORE, L. A. / WASHBURN, D. C.	3	148
LARGE FLYWHEEL 1974 LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A. / KOTTMAYER, M. / SCHLUETER, W. / VAU, G.	3	173
LARGE MOMENTUM WHEEL 1975 MAGNETICALLY SUSPENDED LARGE MOMENTUM WHEEL	SABNIS, A. V. / DENDY, J. B. / SCHMITT, F. M.	4	238

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

LARGE-SCALE ENERGY STORAGE

1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3	177
1975	UTILITIES EYE LARGE-SCALE ENERGY STORAGE	RICCI, L. J.	3	184

LARSEN, F. N.

1976	CHEMISTRY AND TECHNOLOGY OF HIGH STRENGTH POLYAMIDE FIBERS	LARSEN, F. N.	6	377
------	--	---------------	---	-----

LATENT HEAT

1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	160
1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5	242

LATEST SUBWAY CARS

1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-- SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2	108
------	---	-----------------	---	-----

LAVENGOOD, R. E.

1973	DATA AVERAGING OF ANISOTROPIC MATERIAL CONSTANTS	WU, E. M. / JERINA, K. L. / LAVENGOOD, R. E.	6	311
------	--	--	---	-----

LAWRENCE LIVERMORE LABORATORY

1963	SOME INTERESTING ASPECTS OF GENERAL LINEAR VISCOELASTIC DEFORMATION	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6	254
1963	VIBRATION OF A 45-DEG. RIGHT TRIANGLE CANTILEVER PLATE BY A GRIDWORK METHOD.	CHRISTENSEN, R. M.	6	255
1964	AN EXPERIMENT FOR DETERMINATION OF THE MECHANICAL PROPERTY IN SHEAR FOR A LINEAR ISOTROPIC VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6	256
1964	THE DYNAMIC RESPONSE OF A SOLID, VISCOELASTIC SPHERE TO TRANSLATIONAL AND ROTATIONAL EXCITATION.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6	257
1965	RESPONSE TO PRESSURIZATION OF A VISCOELASTIC CYLINDER WITH AN ERODING INTERNAL BOUNDARY.	CHRISTENSEN, R. M. / SCHREINER, R. N.	1	5
1965	A FRACTURE CRITERION FOR ORTHOTROPIC PLATES UNDER THE INFLUENCE OF COMPRESSION AND SHEAR	WU, E. M.	6	258
1965	CRACK EXTENSION IN FIBERGLASS-REINFORCED PLASTICS	WU, E. M. / REUTER, R. C.	6	259
1966	DEFORMATION OF AN ELASTIC SPHERICAL WEDGE.	CHRISTENSEN, R. M.	1	6
1966	PREDICTION OF THE TRANSIENT RESPONSE OF A LINEAR VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6	260
1966	DESIGN FOR COMMERCIAL FILAMENT WINDING	CHIAO, T. T.	6	261
1967	LARGE ELASTIC DEFORMATION OF A SPHERICAL WEDGE	CHRISTENSEN, R. M.	1	7
1967	APPLICATION OF FRACTURE MECHANICS TO ANISOTROPIC PLATES	WU, E. M.	6	262
1967	APPLICATION OF THE METHOD OF TIME-DEPENDENT BOUNDARY CONDITIONS IN LINEAR VISCOELASTICITY.	CHRISTENSEN, R. M.	6	263
1967	LINEAR NON-ISOTHERMAL VISCOELASTIC SOLIDS	CHRISTENSEN, R. M. / NAGHDI, P. M.	6	264
1967	THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF TWO ANGLE WOUND PIPE	CHIAO, T. T.	6	265
1968	FRACTURE MECHANICS OF ANISOTROPIC PLATES	WU, E. M.	6	266
1968	DISCONTINUOUS MODE OF CRACK EXTENSION IN UNIDIRECTIONAL COMPOSITES	WU, E. M.	6	267
1968	ON OBTAINING SOLUTIONS IN NONLINEAR VISCOELASTICITY.	CHRISTENSEN, R. M.	6	268
1968	VARIATIONAL AND MINIMUM THEOREMS FOR THE LINEAR THEORY OF VISCOELASTICITY	CHRISTENSEN, R. M.	6	269
1968	OFF-AXIS TEST OF A COMPOSITE	WU, E. M. / THOMAS, R. L.	6	270
1969	CHARACTERIZATION OF ANISOTROPIC COMPOSITES	HALPIN, J. C. / PAGANO / WHITNEY / WU, E. M.	6	271
1969	SOME UNIQUE CRACK PROPAGATION PHENOMENA IN UNIDIRECTIONAL COMPOSITES AND THEIR MATHEMATICAL CHARACTERIZATION	WU, E. M.	6	272
1969	INTERFACIAL FRACTURE PHENOMENA	WU, E. M. / THOMAS, R. L.	6	273
1969	VISCOELASTIC PROPERTIES OF HETEROGENEOUS MEDIA	CHRISTENSEN, R. M.	6	274
1969	A RANDOM WALK MODEL IN RANDOM VIBRATION	TOLAND, R. H. / YANG, C. Y.	6	275
1969	EVALUATION OF HIGH-STRENGTH, HIGH-MODULUS BERYLLIUM OXIDE/ GLASS FIBER	CHIAO, T. T. / LEWIS, A. / KIMPLE, R. F.	6	276

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

LAWRENCE LIVERMORE LABORATORY (CONTD.)

1970	A TENSILE TEST METHOD FOR FIBERS	CHIAO, T. T./MOORE, R. L.	6	277
1971	A GENERAL THEORY OF STRENGTH FOR ANISOTROPIC MATERIALS	TSAL, S. W. / WU, E. M.	6	279
1971	MEASUREMENT AND CONTROL OF DYNAMIC CRACKS IN COMPOSITES.	BRISSEY, F. L. / WU, E. M.	6	280
1971	FRACTURE CRITERIA FOR ORTHOTROPIC PLATE UNDER COMPRESSION AND SHEAR	WU, E. M.	6	281
1971	THEORY OF VISCOELASTICITY: AN INTRODUCTION	CHRISTENSEN, R. M.	6	282
1971	THE EFFECT OF SOLVENTS AND STRESS ON THE STRESS RUPTURE LIFE OF EPOXY-GLASS COMPOSITES	RUHMANN, D. C. / WU, E. M.	6	283
1971	STRESS-RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS	CHIAO, T. T./MOORE, R. L.	6	284
1971	STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/EPOXY STRANDS	CHIAO, T. T./MOORE, R. L.	6	285
1971	COMPUTER AIDED MECHANICAL TESTING OF COMPOSITES	WU, E. M. / JERINA, K. J.	6	286
1971	STUDY OF EPOXY RESINS FOR FIBER COMPOSITES	RICHARDSON, J. / MOORE, R. L./CHIAO, T. T.	6	288
1971	A RANDOM WALK MODEL FOR FIRST-PASSAGE PROBABILITY	TOLAND, R. H. / YANG, C. Y.	6	289
1972	KINETIC FAILURE PROCESSES OF POLYMERS	WU, E. M. / HALPIN, J. C.	6	290
1972	STRENGTH TENSORS AND THEIR INVARIANTS - THEORY AND EXPERIMENT	WU, E. M.	6	291
1972	EFFECTIVE STIFFNESS OF RANDOMLY ORIENTED FIBRE COMPOSITES	CHRISTENSEN, R. M. / WAALS, F. M.	6	292
1972	RESTRICTIONS UPON VISCOELASTIC RELAXATION FUNCTIONS AND COMPLEX MODULI.	CHRISTENSEN, R. M.	6	293
1973	FLYWHEELS	POST, R. F./POST, S. F.	1	25
1974	FLYWHEELS AS AN ENERGY STORAGE DEVICE, A SELECTED BIBLIOGRAPHY	LLL	1	30
1975	SCREENING OF EPOXY SYSTEMS FOR HIGH-PERFORMANCE FILAMENT WINDING APPLICATIONS	CHIAO, T. T. / JESSOP, E. S./PENN, L. S.	6	355
1975	A LONG POT LIFE EPOXY SYSTEM FOR FILAMENT WINDING	PENN, L. S./CHIAO, T. T.	6	356
1975	PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER IN SEVERAL EPOXY MATRICES	CHIAO, T. T. / JESSOP, E. S./HAMSTAD, M. A.	6	357
1975	ELONGATED-RING SPECIMEN FOR TENSILE PROPERTIES OF FILAMENT-WOUND COMPOSITES	CLEMENTS, L. L. / MOORE, R. L./CHIAO, T. T.	6	358
1975	STRENGTH DISTRIBUTION OF SINGLE FILAMENTS	LARDER, R. A./BEADLE, C. W.	6	359
1975	HOLOGRAPHIC EXAMINATION OF A COMPOSITE PRESSURE VESSEL	MEYER, M.D./KATAYANAGI, T. E.	6	360
1975	STRENGTH RETENTION AND LIFE OF FIBER COMPOSITE MATERIALS	CHIAO, T. T. / SHERRY, R. J.	6	361
1975	FIBER COMPOSITES FOR ENERGY STORAGE FLYWHEELS.	PENN, L. S./CHIAO, T. T.	6	362
1975	CHARACTERIZATION PROCEDURE FOR THERMOSETTING RESINS	PENN, L. S. / NEWBY, H.	6	363
1975	EPOXY RESINS FOR FLYWHEEL APPLICATIONS.	RINDE, J. A.	1	48
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S./ CLEMENTS, L. L. / CHIAO, C. C.	6	364
1975	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	365
1975	LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C.	6	366
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2	132
1975	FIBER EVALUATION FOR FLYWHEEL APPLICATIONS	PENN, L. S. / CHIAO, T. T.	1	52
1975	LLL PROGRAM FOR COMPOSITE FLYWHEEL	CHIAO, T. T. / STONE, R. G.	3	203
1975	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	367
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A.	1	53
1976	FERRO-RESONANT CIRCUIT FOR A NEW FLYWHEEL MOTOR GENERATOR	AALAND, K.	1	54
1976	A THERMODYNAMIC CRITERION FOR THE GLASS-TRANSITION TEMPERATURE.	CHRISTENSEN, R. M.	6	368
1976	THE EFFECTIVE MODULI OF COMPOSITES CONTAINING RANDOMLY ORIENTED FIBERS.	CHRISTENSEN, R. M.	6	369
1976	WAVE PROPAGATION IN LAYERED ELASTIC MEDIA	CHRISTENSEN, R. M.	6	370
1976	COMPOSITE MATERIALS FOR ENERGY STORAGE FLYWHEELS	CHIAO, T. T.	6	371
1976	CHARACTERIZATION OF A POLYAMIDE MATRIX FOR FIBER COMPOSITES	PENN, L. S. / MONES, E. T. / CHIAO, T. T.	6	372
1976	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	373
1976	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	374
1976	ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6	375
1976	AN ACCELERATED TEST FOR PREDICTING THE LIFETIME OF ORGANIC FIBER COMPOSITES	CHIAO, C. C.	6	376
1976	CHEMISTRY AND TECHNOLOGY OF HIGH STRENGTH POLYAMIDE FIBERS	LARSEN, F. N.	6	377
1976	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	378
1976	FLYWHEELS, A SELECTED BIBLIOGRAPHY	MADDEN, W. E.	1	56
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.	DAVIS, D. D.	2	134
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.	DAVIS, D. D.	2	135
1976	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS	STONE, R. G.	1	57
1976	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	379

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

1976	RESEARCH LEADING TO THE PRODUCTION AND EARLY USE OF NUMERIC DATA BANKS OF MATERIAL PROPERTIES AND SYSTEM ANALYSES	HENRY, E. A.	1	58
1976	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	380
1976	ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6	381
1976	ENERGY AND TECHNOLOGY REVIEW (MONTHLY PROGRESS REPORT 6/76)	SELDEN, R. W.	5	253
1976	FIBER COMPOSITES HIGHLIGHTS	CHIAO, T. T.	6	382
1976	COMPOSITE FIBER FLYWHEEL FOR ENERGY STORAGE	RINDE, J. A.	1	59
LAWSON, L. J.				
1971	FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION.FINAL REPORT	GILBERT, R. R./HARVEY, J. R./HEUER, G. E./LAWSON, L. J.	2	77
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
1972	FLYWHEEL DRIVE SYSTEMS STUDY.FINAL REPORT	GILBERT, R. R./HEUER, G. E./JACOBSEN, E. H./KUHN, S. E./LAWSON, L. J./WADA, W. T.	2	87
1972	HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4	228
1972	APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J.	2	89
1973	IS THERE A FLYWHEEL IN YOUR FUTURE	LAWSON, L. J.	2	94
1973	KINETIC ENERGY STORAGE: A 'NEW' PROPULSION ALTERNATIVE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	98
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3	155
1974	KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE	BAXTER, J. W. / LAWSON, L. J.	2	107
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2	118
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	120
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J.	2	122
LAY, R. K.				
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES. FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2	75
LAYERED ELASTIC MEDIA				
1976	WAVE PROPAGATION IN LAYERED ELASTIC MEDIA	CHRISTENSEN, R. M.	6	370
LAYERED MEDIA				
1973	ATTENUATION OF HARMONIC WAVES IN LAYERED MEDIA	CHRISTENSEN, R. M.	6	314
LDV				
1972	TWO NEW WEAPONS AGAINST AUTOMOTIVE AIR POLLUTION: THE HYDROSTATIC DRIVE AND THE FLYWHEEL-ELECTRIC LDV.	WHITLAW, R. L.	2	90
LEAD-ACID BATTERIES				
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2	111
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W. / LAPEDES, D. E. / MELTZER, J.	2	114
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
LEAD-ACID BATTERY				
1973	FLYWHEELS	POST, R. F. / POST, S. F.	1	25
LEAK TESTING				
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3	180

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

LEHMANN, E. J.			
1975	DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)	LEHMANN, E. J.	1 42
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124
LEPPER, J. K.			
1972	STRESS-RUPTURE OF SIMPLE S-GLASS/EPOXY COMPOSITES	CHIAO, T. T. / LEPPER, J. K. / HETHERINGTON, N.W./MOORE, R. L.	6 302
1974	STRAIN MEASUREMENT TECHNIQUES FOR FIBER MODULUS DETERMINATION	MOORE, R. L. / LEPPER, J. K.	6 325
1976	ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6 375
1976	ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6 381
LEVITATION			
1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4 210
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2 132
LEWIS, A.			
1969	EVALUATION OF HIGH-STRENGTH, HIGH-MODULUS BERYLLIUM OXIDE/GLASS FIBER	CHIAO, T. T. / LEWIS, A./KIMPLE, R. F.	6 276
LICENSE APPLICATION			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2. LICENSE APPLICATION, FSAR, AMENDMENT 27	METROPOLITAN EDISON CO.	2 127
LIFE OF EPOXY-GLASS			
1971	THE EFFECT OF SOLVENTS AND STRESS ON THE STRESS RUPTURE LIFE OF EPOXY-GLASS COMPOSITES	RUHMANN, D. C. / WU, E. M.	6 283
LIFE OF FIBER			
1975	STRENGTH RETENTION AND LIFE OF FIBER COMPOSITE MATERIALS	CHIAO, T. T. / SHERRY, R. J.	6 361
LIFE OF ORGANIC			
1975	FATIGUE LIFE OF ORGANIC FIBER/EPOXY PRESSURE VESSELS	HAMSTAD, M. A. / CHIAO, T. T. / PATTERSON, R. G.	6 354
LIFETIME OF ORGANIC			
1976	AN ACCELERATED TEST FOR PREDICTING THE LIFETIME OF ORGANIC FIBER COMPOSITES	CHIAO, C. C.	6 376
LIFT			
1971	LIFT FOR THE AUTO: ENGINE-FLYWHEEL HYBRIDS	MCCAULL, J.	2 85
LIMITED VEHICLE MOVEMENT			
1975	VEHICLE POWER SYSTEM FOR LIMITED VEHICLE MOVEMENT WITHOUT USE OF FUEL	STROHLEIN, J.N.	2 126
LINDSLEY, E. F.			
1973	HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL TIME TRANSPORTATION	LINDSLEY, E. F.	2 97
LINEAR ISOTROPIC VISCOELASTIC			
1964	AN EXPERIMENT FOR DETERMINATION OF THE MECHANICAL PROPERTY IN SHEAR FOR A LINEAR ISOTROPIC VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 256

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

LINEAR NON-ISOTHERMAL VISCOELASTIC			
1967	LINEAR NON-ISOTHERMAL VISCOELASTIC SOLIDS	CHRISTENSEN, R. M. / NAGHD, P. M.	6 264
LINEAR THEORY			
1968	VARIATIONAL AND MINIMUM THEOREMS FOR THE LINEAR THEORY OF VISCOELASTICITY	CHRISTENSEN, R. M.	6 269
LINEAR VISCOELASTIC DEFORMATION			
1963	SOME INTERESTING ASPECTS OF GENERAL LINEAR VISCOELASTIC DEFORMATION	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 254
LINEAR VISCOELASTIC SOLID			
1966	PREDICTION OF THE TRANSIENT RESPONSE OF A LINEAR VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 260
LINEAR VISCOELASTICITY			
1967	APPLICATION OF THE METHOD OF TIME-DEPENDENT BOUNDARY CONDITIONS IN LINEAR VISCOELASTICITY.	CHRISTENSEN, R. M.	6 263
LIQUEFIED NATURAL GAS			
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 160
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5 248
LIQUID PETROLEUM			
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5 248
LITHIUM FLUORIDES			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.	2 69
LITVIN-SEDOI, M. Z.			
1975	ESTIMATING THE VELOCITIES OF THE CONTROL FLYWHEELS OF A FREE GYROSTAT	LITVIN-SEDOI, M. Z.	1 39
LLL			
1974	FLYWHEELS AS AN ENERGY STORAGE DEVICE, A SELECTED BIBLIOGRAPHY	LLL	1 30
1975	LLL PROGRAM FOR COMPOSITE FLYWHEEL	CHIAO, T. T. / STONE, R. G.	3 203
LOAD COMPENSATION			
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3 178
LOAD RESILIENCE			
1968	CAPTURED LOAD RESILIENCE OF A HYDRAULIC VIBRATOR SAVES POWER	LANKESTER, J. A.	1 9
LOADED COMPOSITE MATERIALS			
1972	FAILURE MODES IN IMPACT LOADED COMPOSITE MATERIALS	TOLAND, R. H.	6 301
LOADING			
1972	FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL LOADING	CHIAO, T. T. / COMMINS, A. D.	6 308

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

LOCAL-DUTY VEHICLES

1973 FLYWHEEL-ELECTRIC SYSTEM FOR LOCAL-DUTY VEHICLES	AUTOMOTIVE ENG.	2	93
---	-----------------	---	----

LOCKHEED MISSILES AND SPACE CO.

1971 FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION.FINAL REPORT	GILBERT, R. R./HARVEY, J.R./HEUER, G. E./LAWSON, L. J.	2	77
1972 APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J.	2	89
1973 IS THERE A FLYWHEEL IN YOUR FUTURE	LAWSON, L. J.	2	94
1973 NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3	155
1974 KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	120

LOCKHEED MISSILES AND SPACE CO., SUNNYVALE, CALIF.(USA)

1972 FLYWHEEL DRIVE SYSTEMS STUDY.FINAL REPORT	GILBERT, R. R./HEUER, G.E./JACOBSEN, E. H./KUHN, E.B./LAWSON, L. J./WADA, W. T.	2	87
--	---	---	----

LOCKHEED MISSILES AND SPACE CO., GROUND VEHICLE SYSTEMS

1972 HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4	226
--	---	---	-----

LONG LIFE ORGANIC

1972 LOW PEAK TEMPERATURES AND HYDRODYNAMIC BEARINGS - KEY TO LONG LIFE ORGANIC RANKINE CYCLE SYSTEMS	BORETT, J. E.	3	150
--	---------------	---	-----

LONG POT LIFE

1975 A LONG POT LIFE EPOXY SYSTEM FOR FILAMENT WINDING	PENN, L. S./CHIAO, T. T.	6	356
--	--------------------------	---	-----

LONG TERM PERFORMANCE

1974 STRESS-RUPTURE BEHAVIOR OF GRAPHITE FIBER/EPOXY STRANDS	MOORE, R. L./ CHIAO, T. T./HAMSTAD, M. A.	6	324
--	--	---	-----

LONG-TERM FAILURE

1974 NO-BREAK SETS	MOODY, R. L.	3	167
--------------------	--------------	---	-----

LONG-TERM PERFORMANCE

1975 LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C.	6	366
--	--------------	---	-----

LORENSEN, L. E.

1974 POLYIMIDES FOR FIBER COMPOSITES	LORENSEN, L. E.	6	341
--------------------------------------	-----------------	---	-----

LOS ALAMOS SCIENTIFIC LAB.

1974 ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W.E.	3	168
1975 ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH- ENERGY, SPACE-BASED LASERS	GILBERT, J.S./KERN, E.A.	3	183

LOW EMISSION URBAN

1970 SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES. FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2	75
---	----------------------------	---	----

LOW EMISSIONS

1971 FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J.F. /PERINI, L.L.	2	80
---	--	---	----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

LOW EXHAUST EMISSION

1971 EVALUATION OF HYBRID HEAT ENGINE/ELECTRIC SYSTEMS FOR LOW EXHAUST EMISSION POTENTIAL IN AUTOMOTIVE APPLICATIONS	LAPEDES, D.E./MELTZER, J.	2	78
--	---------------------------	---	----

LOW PEAK TEMPERATURES

1972 LOW PEAK TEMPERATURES AND HYDRODYNAMIC BEARINGS - KEY TO LONG LIFE ORGANIC RANKINE CYCLE SYSTEMS	BORETZ, J. E.	3	150
---	---------------	---	-----

LOW POLLUTION

1973 IS THERE A FLYWHEEL IN YOUR FUTURE	LAWSON, L. J.	2	94
---	---------------	---	----

LOW TEMPERATURE

1974 POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT	HAMSTAD, M. A. / CHIAO, T. T./JESSOP, E. S.	6	338
1975 ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRICK, P.A.	5	247

LOW TEMPERATURE THERMAL

1975 ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRICK, P.A.	5	247
---	----------------	---	-----

LOW TEMPERATURES

1974 ORGANIC FIBER/EPOXY PRESSURE VESSELS	CHIAO, T. T. / HAMSTAD, M. A. / MARCON, M. A.	6	338
---	---	---	-----

LOW-EMISSION VEHICLES

1971 FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L. / BRANDT, A. / GEORGE, J.F. / PERINI, L.L.	2	80
--	--	---	----

LOW-POLLUTION-POTENTIAL POWER SOURCES

1969 STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J.A. / CHEANEY, E.S. / CRESWICK, F. A. / TRAYSER, D.A. / FISCHER, R.D. / TIMBERLAKE, A.B. / BASHAM, S.J. / HERRIDGE, J.T. / WILCOX, J. P.	2	69
1969 STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2	70

LUBRICANT SYSTEMS

1974 QUALIFICATION AND LIFE TESTING OF A BALL-BEARING FLYWHEEL	TELDIX LUFTFAHRT-AUSRUESTUNGS G.M.B. H.	4	235
--	---	---	-----

LUBRICATED SPIRAL GROOVE

1974 FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4	230
---	------------------	---	-----

LUBRICATION OF BALL

1974 DESIGN AND LUBRICATION OF BALL BEARING UNIT FOR FLYWHEELS	AUER, WERNER	4	233
--	--------------	---	-----

LUBRICATION OF BEARINGS

1974 THE LUBRICATION OF BEARINGS AND SLIP RINGS IN VACUUM	ODONNELL, P. J. / HARRIS, L. C. / WARWICK, M. G.	1	38
---	--	---	----

LUCCHINI, A. P.

1974 NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	LUCCHINI, A. P.	5	246
---	-----------------	---	-----

MACHINE DESIGN

1975 FLYWHEELS - FLYWHEEL IN AUTO TO REPLACE GASOLINE	MACHINE DESIGN	2	130
---	----------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

MACHINE PARTS			
1974	SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR	GULIA, N. V. / YUDOVSKII, I. D.	2 104
MACHINES			
1983	DETERMINING INERTIA AND TIME REQUIREMENTS FOR FLYWHEEL MACHINES	SPOTTS, M. F.	1 1
1974	GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES	GULIA, N. V. ET AL	2 105
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3 178
MACHY (LOND)			
1983	TESTING MAGNETO FLYWHEELS AT SPEEDS UP TO 25000 RPM.	MACHY (LOND)	1 2
MADDEN, W. E.			
1976	FLYWHEELS, A SELECTED BIBLIOGRAPHY	MADDEN, W. E.	1 56
MAGNET			
1973	MATERIALS EVALUATION FOR 2XIIB MAGNET	CHIAO, T. T./ WALKUP, C. M./NEWHEY, H. A.	6 322
MAGNET COILS			
1974	ELECTRIC POWER SYSTEMS	ERDA	3 179
MAGNETIC BEARING			
1975	DESIGN AND DEVELOPMENT OF A MOMENTUM WHEEL WITH A MAINLY PASSIVE MAGNETIC BEARING FINAL REPORT	ESA	1 45
MAGNETIC BEARINGS			
1983	MAGNETIC BEARINGS FOR AEROSPACE APPLICATIONS	EDGAR, R. F. / ET AL.	4 211
1984	MAGNETIC BEARINGS	BEAMS, J. W.	1 4
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S.	2 100
1975	DESIGN AND DEVELOPMENT OF A MOMENTUM WHEEL WITH A MAINLY PASSIVE MAGNETIC BEARING FINAL REPORT	ESA	1 45
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2 132
MAGNETIC FIELDS			
1974	ENERGY STORAGE.(II):.DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON,A.L.	3 186
MAGNETIC INTERFACING			
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2 132
MAGNETICALLY SUSPENDED			
1970	MODIFICATION OF DC MOTOR WITH MAGNETICALLY SUSPENDED ROTOR	CAMBRIDGE THERMIONIC CORP., MASS.	1 11
1975	MAGNETICALLY SUSPENDED LARGE MOMENTUM WHEEL	SABNIS, A. V. / DENDY, J. B. / SCHMITT, F. M.	4 238
MAGNETICALLY SUSPENDED FLYWHEELS			
1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4 210
MAGNETICALLY SUSPENDED FLYWHEEL			
1975	MAGNETICALLY SUSPENDED LARGE MOMENTUM WHEEL	SABNIS, A. V. / DENDY, J. B. / SCHMITT, F. M.	4 238
MAGNETISM			
1974	ENERGY STORAGE. (1): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON,A.L.	3 165

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

MAGNETO FLYWHEELS

1963 TESTING MAGNETO FLYWHEELS AT SPEEDS UP TO 25000 RPM.	MACHY (LOND)	1	2
---	--------------	---	---

MAGNETOHYDRODYNAMICS

1963 MAGNETIC BEARINGS FOR AEROSPACE APPLICATIONS	EDGAR, R. F. / ET AL.	4	211
1975 DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187
1975 MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5	250

MAHIG, J.

1971 MINIMIZATION OF MECHANISM OSCILLATIONS THROUGH FLYWHEEL TUNING	MAHIG, J.	1	16
---	-----------	---	----

MANAGEMENT

1974 GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
1974 ELECTRIC POWER SYSTEMS	ERDA	3	179
1975 INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2	128
1975 MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5	250

MANAGEMENT AND BUDGET

1974 GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
--	----------	---	-----

MARCON, M. A.

1973 FILAMENT-WOUND VESSEL FROM AN ORGANIC FIBER/EPOXY SYSTEM	CHIAO, T. T./MARCON, M. A.	6	317
1973 FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN SYSTEM	CHIAO, T. T./HAMSTAD, M. A./MARCON, M. A./HANAFEE, JR.	6	323
1974 ORGANIC FIBER/EPOXY PRESSURE VESSELS	CHIAO, T. T./HAMSTAD, M. A./MARCON, M. A.	6	336

MARCONI SPACE AND DEFENSE SYSTEMS LTD.

1974 THE LUBRICATION OF BEARINGS AND SLIP RINGS IN VACUUM	ODONNELL, P. J. / HARRIS, L. C. / WARWICK, M. G.	1	38
---	--	---	----

MARLOWE, E. W.

1964 ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT	MARLOWE, E. W.	2	61
--	----------------	---	----

MARSHALL, O. W.

1974 INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W./MORASH, R. T./BARBER, R. J.	3	159
---	---	---	-----

MARYLAND UNIV., COLLEGE PARK (USA). DEPT. OF MECHANICAL ENGINEERING

1973 SUPERFLYWHEEL	RABENHORST, D. W.	3	153
--------------------	-------------------	---	-----

MASS

1966 ENERGY STORING MASS AND METHOD FOR MAKING	CALL, B. J.	3	138
1972 APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J.	2	89
1973 KINETIC ENERGY STORAGE: A 'NEW' PROPULSION ALTERNATIVE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	98
1974 ULTRAHIGH TEMPERATURE	RYLANDER, H. G./WOODSON, H. H./BECKER, E. B./ROWBERG, R.	3	163
1974 KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	120
1975 AN IMPROVED ROTATABLE MASS FOR A FLYWHEEL	WEYLER, GEORGE M. JR. PATENT APPLICATION 14 NOV 1975	1	51

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

MASS TRANSIT

1974 KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE	BAXTER, J. W. / LAWSON, L. J.	2	107
---	-------------------------------	---	-----

MASS TRANSPORTATION

1972 APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J.	2	89
1973 KINETIC ENERGY STORAGE: A 'NEW' PROPULSION ALTERNATIVE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	98
1974 FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2	108
1974 KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2	120
1975 NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	RAILWAY GAZETTE INTERNATIONAL	2	123

MATERIAL CONSTANTS

1973 DATA AVERAGING OF ANISOTROPIC MATERIAL CONSTANTS	WU, E. M. / JERINA, K. L. / LAVENGOD, R. E.	6	311
---	---	---	-----

MATERIAL PROPERTIES

1976 RESEARCH LEADING TO THE PRODUCTION AND EARLY USE OF NUMERIC DATA BANKS OF MATERIAL PROPERTIES AND SYSTEM ANALYSES	HENRY, E. A.	1	58
--	--------------	---	----

MATERIAL REQUIREMENTS

1971 MATERIAL REQUIREMENTS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	1	17
--	-------------------	---	----

MATERIALS

1967 COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P.	1	8
1971 A GENERAL THEORY OF STRENGTH FOR ANISOTROPIC MATERIALS	TSAI, S. W. / WU, E. M.	6	279
1971 DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
1971 FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L.	2	80
1972 FAILURE MODES IN IMPACT LOADED COMPOSITE MATERIALS	TOLAND, R. H.	6	301
1973 INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE MATERIALS	TOLAND, R. H.	6	319
1973 MATERIALS EVALUATION FOR 2XIIB MAGNET	CHIAO, T. T. / WALKUP, C. M. / NEWHEY, H. A.	6	322
1974 FAILURE CRITERIA TO FRACTURE MODE ANALYSIS OF COMPOSITE MATERIALS	WU, E. M.	6	328
1974 SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2	103
1974 METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2	112
1974 STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
1974 ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2	119
1974 THE APPLICATION OF THREE DIMENSIONAL FINITE ELEMENT ANALYSIS TO THE MICRO-MECHANICS OF FIBROUS COMPOSITE MATERIALS	LARDER, R. A.	6	343
1974 ACOUSTIC EMISSION USES IN RESEARCH AND DEVELOPMENT OF COMPOSITE MATERIALS	HAMSTAD, M. A.	6	346
1975 ENGINEERING DESIGN DATA FOR COMPOSITE MATERIALS	CLEMENTS, L. L.	6	347
1975 TESTING OF FIBER COMPOSITE MATERIALS	CHIAO, T. T. / HAMSTAD, M. A.	6	348
1975 STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS.	LARDER, R. A.	6	349
1975 MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5	250
1975 STRENGTH RETENTION AND LIFE OF FIBER COMPOSITE MATERIALS	CHIAO, T. T. / SHERRY, R. J.	6	361
1975 LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C.	6	366
1975 LLL PROGRAM FOR COMPOSITE FLYWHEEL	CHIAO, T. T. / STONE, R. G.	3	203
1976 COMPOSITE MATERIALS FOR ENERGY STORAGE FLYWHEELS	CHIAO, T. T.	6	371
1976 ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6	375
1976 ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6	381

MATERIALS DIVISION QUARTERLY

1976 ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6	375
1976 ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6	381

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

MATERIALS EVALUATION			
1973	MATERIALS EVALUATION FOR 2XIIB MAGNET	CHIAO, T. T./ WALKUP, C. M./NEWBY, H. A.	6 322
MATERIALS FOR ENERGY			
1976	COMPOSITE MATERIALS FOR ENERGY STORAGE FLYWHEELS	CHIAO, T. T.	6 371
MATERIALS REQUIREMENTS			
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5 250
MATERIALS STUDY			
1967	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P.	1 8
MATERIALS TESTING			
1975	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	1 43
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6 364
MATHEMATICAL CHARACTERIZATION			
1969	SOME UNIQUE CRACK PROPAGATION PHENOMENA IN UNIDIRECTIONAL COMPOSITES AND THEIR MATHEMATICAL CHARACTERIZATION	WU, E. M.	6 272
MATHEMATICAL MODELS			
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2 128
MATHEMATICAL TECHNIQUES			
1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P. J.	1 40
MATRICES			
1975	PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER IN SEVERAL EPOXY MATRICES	CHIAO, T. T. / JESSOP, E. S. / HAMSTAD, M. A.	6 357
MATRIX			
1972	TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX	CHIAO, T. T. / MOORE, R. L.	6 305
1973	STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T. / WELLS, J. E. / MOORE, R. L. / HAMSTAD, M. A.	6 318
1974	TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6 337
1974	TENSILE PROPERTIES OF AN ULTRAHIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S.	6 344
1976	CHARACTERIZATION OF A POLYAMIDE MATRIX FOR FIBER COMPOSITES	PENN, L. S. / MONES, E. T. / CHIAO, T. T.	6 372
MATTHEWS, L. E.			
1964	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2 62
MAX-PLANCK-INSTITUT			
1974	NEW MOMENTUM FOR NUCLEAR FUSION. IN THE MAX-PLANCK-INSTITUT IN MUENCHEN, A NEW PHASE OF PLASMA RESEARCH HAS BEGUN	BRUNS, K.	3 161
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A. / KOTTMAIR, M. / SCHLUETER, W. / VAU, G.	3 173

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

MAXWELL, R.			
1974	PROBABILISTIC DESIGN OF COMPOSITE STRUCTURES	MAXWELL, R./ TOLAND, R. H./ JOHNSON, C. W.	6 329
MCCALLAN, J.V.			
1974	STORAGE OF HIGH-GRADE ENERGY	MCCALLAN, J.V.	5 245
MCCAULL, J.			
1970	WIND UP CAR	HOHENEMSER, K. / MCCAULL, J.	2 71
1971	LIFT FOR THE AUTO: ENGINE-FLYWHEEL HYBRIDS	MCCAULL, J.	2 85
MEASUREMENT AND CONTROL			
1971	MEASUREMENT AND CONTROL OF DYNAMIC CRACKS IN COMPOSITES.	BRISSEY, F. L. / WU, E. M.	6 280
MEASUREMENT OF ANISOTROPIC			
1972	OPTIMAL EXPERIMENTAL MEASUREMENT OF ANISOTROPIC FAILURE TENSORS	WU, E. M.	6 297
MEASUREMENT TECHNIQUES			
1974	STRAIN MEASUREMENT TECHNIQUES FOR FIBER MODULUS DETERMINATION	MOORE, R. L. / LEPPER, J. K.	6 325
MECH. ENG.			
1970	SUPER FLYWHEEL	MECH. ENG.	1 15
1975	FLYWHEELS - POWER ON THE FLY	MECH. ENG.	3 202
MECHANICAL AND BATTERY-STORED			
1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3 182
MECHANICAL CAPACITOR			
1976	MECHANICAL CAPACITOR	KIRK, JAMES A. / STUDER, PHILIP A. / EVANS, HAROLD E.	3 206
MECHANICAL DESIGN			
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A.	1 53
MECHANICAL ENERGY STORAGE			
1970	NEW CONCEPTS IN MECHANICAL ENERGY STORAGE	RABENHORST, D. W.	1 12
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5 248
MECHANICAL PROPERTIES			
1973	FLYWHEELS	POST, R. F./POST, S. F.	1 25
1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2 112
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S./ CLEMENTS, L. L. / CHIAO, C. C.	6 364
1975	LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C.	6 366
MECHANICAL PROPERTY			
1964	AN EXPERIMENT FOR DETERMINATION OF THE MECHANICAL PROPERTY IN SHEAR FOR A LINEAR ISOTROPIC VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 256
MECHANICAL STRUCTURES			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

MECHANICAL TECH., INC.			
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2 119
MECHANICAL TECHNOLOGY, INC.			
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2 82
MECHANICAL TESTING			
1971	COMPUTER AIDED MECHANICAL TESTING OF COMPOSITES	WU, E. M. / JERINA, K. J.	6 286
MECHANICAL TRANSMISSIONS			
1964	ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT	MARLOWE, E. W.	2 61
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.	2 69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2 82
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2 86
1972	FLYWHEEL DRIVE SYSTEMS STUDY. FINAL REPORT	GILBERT, R. R. / HEUER, G. E. / JACOBSEN, E. H. / KUHN, E. B. / LAWSON, L. J. / WADA, W. T.	2 87
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2 118
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2 128
1975	HYBRID POWER SYSTEM	SUGIYAMA, H. / HIROTA, T. / KAKEI, J. / KABASAWA, Y.	2 129
MECHANICAL TRANSMISSIONS VEHICLES			
1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2 106
MECHANICAL VIBRATIONS			
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUZOZHILOV, V. A.	1 29
MECHANICAL- POWERED DRIVES			
1971	SUPER FLYWHEEL CONFIGURATIONS FORM HEART OF MECHANICAL-POWERED DRIVES	CHIRONIS, N. P.	2 76
MECHANICAL-ENERGY-STORAGE			
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L. / RABENHORST, D. W. / SMALL, T. R. / WEISS, R. O.	1 18
MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION			
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L. / RABENHORST, D. W. / SMALL, T. R. / WEISS, R. O.	1 18
MECHANICS			
1967	APPLICATION OF FRACTURE MECHANICS TO ANISOTROPIC PLATES	WU, E. M.	6 262
1968	FRACTURE MECHANICS OF ANISOTROPIC PLATES	WU, E. M.	6 266
1974	GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES	GULIA, N. V. ET AL	2 105
1974	ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3 166

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

MECHANICS TO ANISOTROPIC			
1987	APPLICATION OF FRACTURE MECHANICS TO ANISOTROPIC PLATES	WU, E. M.	6 282
MECHANISM			
1971	MINIMIZATION OF MECHANISM OSCILLATIONS THROUGH FLYWHEEL TUNING	MAHIG, J.	1 16
1974	A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL	HAMSTAD, M. A./CHIAO, T. T.	6 333
MECHANISM OSCILLATIONS			
1971	MINIMIZATION OF MECHANISM OSCILLATIONS THROUGH FLYWHEEL TUNING	MAHIG, J.	1 16
MEDIA			
1969	VISCOELASTIC PROPERTIES OF HETEROGENEOUS MEDIA	CHRISTENSEN, R. M.	6 274
1973	ATTENUATION OF HARMONIC WAVES IN LAYERED MEDIA	CHRISTENSEN, R. M.	6 314
1974	WAVE PROPAGATION IN ELASTIC MEDIA WITH A PERIODIC ARRAY OF DISCRETE INCLUSIONS	CHRISTENSEN, R. M.	6 331
1978	WAVE PROPAGATION IN LAYERED ELASTIC MEDIA	CHRISTENSEN, R. M.	6 370
MEET SOCIAL GOALS			
1970	POWER-SYSTEMS RESEARCH SHIFTS TO MEET SOCIAL GOALS	CHEM. ENG.	3 147
MEETINGS			
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2 83
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6 384
MELTZER, J.			
1971	EVALUATION OF HYBRID HEAT ENGINE/ELECTRIC SYSTEMS FOR LOW EXHAUST EMISSION POTENTIAL IN AUTOMOTIVE APPLICATIONS	LAPEDES, D. E. / MELTZER, J.	2 78
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2 114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2 115
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2 118
MENKES, S.			
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S.	2 100
MESSERSCHMITT-BOLKOW-BLOHM GMBH			
1973	DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR ARRAYS	PFEIFFER, F. / POHL, A.	4 227
METAL SALTS			
1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5 242
METAL-GAS BATTERIES			
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2 111
METAL-LINED GRAPHITE/EPOXY VESSELS			
1974	FATIGUE PERFORMANCE OF METAL-LINED GRAPHITE/EPOXY VESSELS	HAMSTAD, M. A. / CHIAO, T. T. / PATTERSON, R.	6 339

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

METALS

1973	FLYWHEELS	POST, R. F./POST, S. F.	1	25
1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2	112
1975	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	1	43
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION,CONVERSION,AND STORAGE	JAFFEE,R.I.	5	250

METALS AND COMPOSITES

1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2	112
1975	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	1	43

METHANE

1969	STUDY OF UNCONVENTIONAL THERMAL,MECHANICAL,AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS,J.A./CHEANEY,E.S./CRESWICK,F.A./TRAYSER,D.A./FISCHER,R.D./TIMBERLAKE,A.B./BASHAM,S.J./HERRIDGE,J.T./WILCOX, J. P.	2	69
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES,D.E./HINTON,M.G./MELTZER,J./IURA,T.	2	115
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT,B./THUR,G.M.	2	119

METHANOL

1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES,D.E./HINTON,M.G./MELTZER,J./IURA,T.	2	115
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT,B./THUR,G.M.	2	119

METHOD FOR FIBERS

1970	A TENSILE TEST METHOD FOR FIBERS	CHIAO, T. T./MOORE, R. L.	6	277
------	----------------------------------	---------------------------	---	-----

METHOD OF TIME-DEPENDENT

1967	APPLICATION OF THE METHOD OF TIME-DEPENDENT BOUNDARY CONDITIONS IN LINEAR VISCOELASTICITY.	CHRISTENSEN, R. M.	6	283
------	--	--------------------	---	-----

METROPOLITAN EDISON CO.

1975	THREE MILE ISLAND NUCLEAR STATION,UNIT 2.RO INSPECTION REPORT NO.75-01 AND CORRESPONDENCE	METROPOLITAN EDISON CO.	3	182
1975	THREE MILE ISLAND NUCLEAR STATION,UNIT 2.LICENSE APPLICATION, FSAR,AMENDMENT 27	METROPOLITAN EDISON CO.	2	127

METROPOLITAN EDISON CO..

1975	THREE MILE ISLAND NUCLEAR STATION,UNIT 2.LICENSE APPLICATION, FSAR,AMENDMENT 27	METROPOLITAN EDISON CO.	2	127
------	---	-------------------------	---	-----

MEYER, M.D.

1975	HOLOGRAPHIC EXAMINATION OF A COMPOSITE PRESSURE VESSEL	MEYER, M.D./KATAYANAGI, T. E.	6	360
------	--	-------------------------------	---	-----

MHD GENERATORS

1969	STUDY OF UNCONVENTIONAL THERMAL,MECHANICAL,AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS,J.A./CHEANEY,E.S./CRESWICK,F.A./TRAYSER,D.A./FISCHER,R.D./TIMBERLAKE,A.B./BASHAM,S.J./HERRIDGE,J.T./WILCOX, J. P.	2	69
1969	STUDY OF UNCONVENTIONAL THERMAL,MECHANICAL,AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2	70
1974	NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	LUCCHINI, A. P.	5	246
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

MICRO-MECHANICS OF FIBROUS

1974	THE APPLICATION OF THREE DIMENSIONAL FINITE ELEMENT ANALYSIS TO THE MICRO-MECHANICS OF FIBROUS COMPOSITE MATERIALS	LARDER, R. A.	6	343
------	--	---------------	---	-----

MICROELECTRONICS

1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J.C. / FRAZER, R. / RUBINSTEIN, N.	5	241
------	--	---	---	-----

MILITARY EQUIPMENT

1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZTRICK, P.A.	5	247
------	--	-----------------	---	-----

MINERALS

1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFEE, R.I.	5	250
------	---	-------------	---	-----

MINIMIZATION

1971	MINIMIZATION OF MECHANISM OSCILLATIONS THROUGH FLYWHEEL TUNING	MAHIG, J.	1	16
------	--	-----------	---	----

MINIMUM THEOREMS

1968	VARIATIONAL AND MINIMUM THEOREMS FOR THE LINEAR THEORY OF VISCOELASTICITY	CHRISTENSEN, R. M.	6	269
------	---	--------------------	---	-----

MINUTEMAN

1959	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2	60
------	--	----------------	---	----

MISSILE PROTECTION

1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3	180
------	--	---------------------------------	---	-----

MISSILES

1959	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2	60
------	--	----------------	---	----

MITRE CORP.

1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES. FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2	75
------	---	----------------------------	---	----

MIXTURES

1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5	242
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E. / HINTON, M.G. / MELTZER, J. / IURA, T.	2	115

MIYAHARA, A.

1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3	158
------	---	--	---	-----

MJ FLYWHEEL GENERATOR

1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V.	3	194
------	---	-----------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ML-1 REACTOR

- | | | | |
|------|---|--|------|
| 1969 | STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES | HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.
BATTELLE COLUMBUS LABS. | 2 69 |
| 1969 | STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES | | 2 70 |

MOBILE REACTORS

- | | | | |
|------|---|--|------|
| 1969 | STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES | HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.
BATTELLE COLUMBUS LABS. | 2 69 |
| 1969 | STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES | | 2 70 |

MODE ANALYSIS

- | | | | |
|------|---|-----------|-------|
| 1974 | FAILURE CRITERIA TO FRACTURE MODE ANALYSIS OF COMPOSITE MATERIALS | WU, E. M. | 6 328 |
|------|---|-----------|-------|

MODE OF CRACK

- | | | | |
|------|--|-----------|-------|
| 1968 | DISCONTINUOUS MODE OF CRACK EXTENSION IN UNIDIRECTIONAL COMPOSITES | WU, E. M. | 6 267 |
|------|--|-----------|-------|

MODEL

- | | | | |
|------|--|---|-------|
| 1964 | GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE | MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R. | 2 62 |
| 1969 | A RANDOM WALK MODEL IN RANDOM VIBRATION | TOLAND, R. H. / YANG, C. Y. | 6 275 |
| 1971 | A RANDOM WALK MODEL FOR FIRST-PASSAGE PROBABILITY | TOLAND, R. H. / YANG, C. Y. | 6 289 |

MODEL FOR FIRST-PASSAGE

- | | | | |
|------|---|-----------------------------|-------|
| 1971 | A RANDOM WALK MODEL FOR FIRST-PASSAGE PROBABILITY | TOLAND, R. H. / YANG, C. Y. | 6 289 |
|------|---|-----------------------------|-------|

MODERATE-TEMPERATURE-CURABLE EPOXY

- | | | | |
|------|---|---|-------|
| 1974 | A MODERATE-TEMPERATURE-CURABLE EPOXY FOR ADVANCED COMPOSITE | CHIAO, T. T. / JESSOP, E. S. / NEWBY, H. A. | 6 345 |
|------|---|---|-------|

MODES IN IMPACT

- | | | | |
|------|--|---------------|-------|
| 1972 | FAILURE MODES IN IMPACT LOADED COMPOSITE MATERIALS | TOLAND, R. H. | 6 301 |
|------|--|---------------|-------|

MODIFICATION OF D.C. MOTOR

- | | | | |
|------|--|-----------------------------------|------|
| 1970 | MODIFICATION OF DC MOTOR WITH MAGNETICALLY SUSPENDED ROTOR | CAMBRIDGE THERMIONIC CORP., MASS. | 1 11 |
|------|--|-----------------------------------|------|

MODIFICATIONS

- | | | | |
|------|--|-------------------------|-------|
| 1975 | THREE MILE ISLAND NUCLEAR STATION, UNIT 2, RO INSPECTION REPORT NO. 75-01 AND CORRESPONDENCE | METROPOLITAN EDISON CO. | 3 182 |
|------|--|-------------------------|-------|

MODULI

- | | | | |
|------|---|--------------------|-------|
| 1972 | RESTRICTIONS UPON VISCOELASTIC RELAXATION FUNCTIONS AND COMPLEX MODULI. | CHRISTENSEN, R. M. | 6 293 |
| 1976 | THE EFFECTIVE MODULI OF COMPOSITES CONTAINING RANDOMLY ORIENTED FIBERS. | CHRISTENSEN, R. M. | 6 369 |

MODULI OF COMPOSITES

- | | | | |
|------|---|--------------------|-------|
| 1976 | THE EFFECTIVE MODULI OF COMPOSITES CONTAINING RANDOMLY ORIENTED FIBERS. | CHRISTENSEN, R. M. | 6 369 |
|------|---|--------------------|-------|

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

MODULUS DETERMINATION		
1974	STRAIN MEASUREMENT TECHNIQUES FOR FIBER MODULUS DETERMINATION	MOORE, R. L. / LEPPER, J. K. 6 325
MODULUS OF ELASTICITY		
1974	STRAIN MEASUREMENT TECHNIQUES FOR FIBER MODULUS DETERMINATION	MOORE, R. L. / LEPPER, J. K. 6 325
MOFFITT, R.D.		
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G.C. / HART, A.B. / MOFFITT, R.D. / WRIGHT, J. 3 186
MOLTEN SALTS		
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI 3 160
MOMENTUM EXCHANGE ACQUISITION		
1987	MOMENTUM EXCHANGE ACQUISITION SYSTEM, FINAL REPORT	FISCHER, WM. A. 3 139
MOMENTUM FOR NUCLEAR		
1974	NEW MOMENTUM FOR NUCLEAR FUSION. IN THE MAX-PLANCK-INSTITUT IN MUENCHEN, A NEW PHASE OF PLASMA RESEARCH HAS BEGUN	BRUNS, K. 3 161
MOMENTUM STORAGE		
1972	APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE	ADAMS, L. R. 4 224
MOMENTUM WHEEL		
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E. 4 228
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C. 4 230
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE- GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G. 4 234
1975	DESIGN AND DEVELOPMENT OF A MOMENTUM WHEEL WITH A MAINLY PASSIVE MAGNETIC BEARING FINAL REPORT	ESA 1 45
1975	MAGNETICALLY SUSPENDED LARGE MOMENTUM WHEEL	SABNIS, A. V. / DENDY, J. B. / SCHMITT, F. M. 4 238
MOMENTUM WHEEL MOTOR		
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E. 4 228
MOMENTUM WHEELS		
1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHNEIN, F. J. 4 237
1975	MOMENTUM WHEELS	TOROSSIAN, R. 1 49
MONES, E. T.		
1975	KEVLAR/EPOXY AND KEVLAR/GRAPHITE/EPOXY COMPOSITES FOR THE C- 4 (TRIDENT) CHAMBER PROGRAM	CLEMENTS, L. L. / MOORE, R. L. / MONES, E. T. / CHIAO, T. T. 6 353
1976	CHARACTERIZATION OF A POLYAMIDE MATRIX FOR FIBER COMPOSITES	PENN, L. S. / MONES, E. T. / CHIAO, T. T. 6 372
MOODY, R. L.		
1974	NO-BREAK SETS	MOODY, R. L. 3 167

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

MOORE, R. L.			
1970	A TENSILE TEST METHOD FOR FIBERS	CHIAO, T. T./MOORE, R. L.	6 277
1971	STRESS-RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS	CHIAO, T. T./MOORE, R. L.	6 284
1971	STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/EPOXY STRANDS	CHIAO, T. T./MOORE, R. L.	6 285
1971	STUDY OF EPOXY RESINS FOR FIBER COMPOSITES	RICHARDSON, J. / MOORE, R. L. / CHIAO, T. T.	6 288
1972	STRENGTH RETENTION OF S-GLASS/EPOXY COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6 295
1972	FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS	CHIAO, T. T. / CUMMINS, A. D. / MOORE, R. L.	6 296
1972	STRENGTH OF S-GLASS FIBER	CHIAO, T. T. / MOORE, R. L.	6 299
1972	STRESS RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS: TIME - BREAK-DATA.	CHIAO, T. T. / MOORE, R. L.	6 300
1972	STRESS-RUPTURE OF SIMPLE S-GLASS/EPOXY COMPOSITES	CHIAO, T. T. / LEPPER, J. K. / HETHERINGTON, N. W. / MOORE, R. L.	6 302
1972	TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX	CHIAO, T. T. / MOORE, R. L.	6 305
1973	ORGANIC FIBER/EPOXIDE COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6 316
1973	STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T. / WELLS, J. E. / MOORE, R. L. / HAMSTAD, M. A.	6 318
1973	GRAPHITE FIBER/EPOXY COMPOSITES	CHIAO, T. T. / MOORE, R. L. / WALKUP, C. M.	6 321
1974	STRESS-RUPTURE BEHAVIOR OF GRAPHITE FIBER/EPOXY STRANDS	MOORE, R. L. / CHIAO, T. T. / HAMSTAD, M. A.	6 324
1974	STRAIN MEASUREMENT TECHNIQUES FOR FIBER MODULUS DETERMINATION	MOORE, R. L. / LEPPER, J. K.	6 325
1974	A ROOM TEMPERATURE-CURABLE EPOXY FOR ADVANCED FIBER COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6 335
1975	EVALUATION OF INTERLAMINAR SHEAR TEST FOR FIBER COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6 350
1975	KEVLAR/EPOXY AND KEVLAR/GRAPHITE/EPOXY COMPOSITES FOR THE C-4 (TRIDENT) CHAMBER PROGRAM	CLEMENTS, L. L. / MOORE, R. L. / MONES, E. T. / CHIAO, T. T.	6 353
1975	ELONGATED-RING SPECIMEN FOR TENSILE PROPERTIES OF FILAMENT-WOUND COMPOSITES	CLEMENTS, L. L. / MOORE, R. L. / CHIAO, T. T.	6 358
MORASH, R. T.			
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W. / MORASH, R. T. / BARBER, R. J.	3 159
MORE EFFICIENT PEAKING			
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3 209
MORGANTHALER, G. F.			
1967	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P.	1 8
MORTON D. F.			
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / GOWARD, C. D. / KING, A. H. / MORTON D. F.	4 219
MOTION			
1975	ACTIVE STABILIZATION OF THE ROTARY MOTION OF A SOLID BODY	SAKIAN, L. S.	1 41
MOTOR			
1959	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2 60
1970	MODIFICATION OF DC MOTOR WITH MAGNETICALLY SUSPENDED ROTOR	CAMBRIDGE THERMIONIC CORP., MASS.	1 11
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2 91
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228
1973	APPLICATION OF TWO-PHASE DC CHOPPER MOTOR DRIVE	REIMERS, E.	2 95
1976	FERRO-RESONANT CIRCUIT FOR A NEW FLYWHEEL MOTOR GENERATOR	AALAND, K.	1 54

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

MOTOR CURRENT CONTROL			
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228
MOTOR DRIVE			
1973	APPLICATION OF TWO-PHASE DC CHOPPER MOTOR DRIVE	REIMERS, E.	2 96
MOTOR GENERATOR			
1976	FERRO-RESONANT CIRCUIT FOR A NEW FLYWHEEL MOTOR GENERATOR	AALAND, K.	1 54
MOTOR WINDINGS			
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2 91
MOTOR-GENERATOR			
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H.	3 158
MOTORS			
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2 120
MOVING PEOPLE			
1974	KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE	BAXTER, J. W. / LAWSON, L. J.	2 107
MULTIFILAMENT STRANDS			
1971	STRESS-RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS	CHIAO, T. T. / MOORE, R. L.	6 284
1972	STRESS RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS: TIME - BREAK-DATA.	CHIAO, T. T. / MOORE, R. L.	6 300
MULTIRIM SUPERFLYWHEEL			
1974	MULTIRIM SUPERFLYWHEEL. TECHNICAL MEMO	RABENHORST, D. W.	1 33
MURRAY, J.			
1975	PROPOSED TFTR ELECTRICAL SYSTEM	BRONNER, G. / MURRAY, J.	3 200
MVA POWER SUPPLY			
1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3 158
NAGHDI, P. M.			
1967	LINEAR NON-ISOTHERMAL VISCOELASTIC SOLIDS	CHRISTENSEN, R. M. / NAGHDI, P. M.	6 284
NARDI, V.			
1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V.	3 194
NATIONAL ACADEMY OF SCIENCES			
1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2 103
NATIONAL CENTRE OF TRIBOLOGY			
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4 234

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

NATIONAL CITY BANK			
1970	FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS	ORTIZ, J. V.	3 144
NATIONAL MEASUREMENT LAB.			
1974	STORAGE OF HIGH-GRADE ENERGY	MCALLAN, J. V.	5 245
NATURAL GAS			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2 115
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5 248
NAVAL ORDNANCE STATION, FOREST PARK, ILL.			
1968	SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT FLYWHEEL PACKAGE	NAVAL ORDNANCE STATION, FOREST PARK, ILL.	2 64
NAVY APPLICATIONS			
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRICK, P. A.	5 247
NEAR-TERM APPLICATION			
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.	DAVIS, D. D.	2 134
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.	DAVIS, D. D.	2 135
NELLIS, V. C.			
1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3 143
NEUTRON SOURCES			
1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V.	3 194
NEW AUTOMOTIVE ENGINES			
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124
NEW FLYWHEEL MOTOR			
1976	FERRO-RESONANT CIRCUIT FOR A NEW FLYWHEEL MOTOR GENERATOR	AALAND, K.	1 54
NEW JERSEY			
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2 83
NEW TECHNICAL IDEA			
1970	A NEW TECHNICAL IDEA ON FLYWHEELS {NOUVELLE CONCEPTION TECHNIQUE DES VOLANTS D'INERTIE}	POUBEAU, P.	4 220
NEW TRAIN'S ENERGY			
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2 108
NEW UNINTERRUPTIBLE POWER			
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3 155

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

NEW WEAPONS			
1972	TWO NEW WEAPONS AGAINST AUTOMOTIVE AIR POLLUTION: THE HYDROSTATIC DRIVE AND THE FLYWHEEL-ELECTRIC LDV.	WHITLAW, R. L.	2 90
NEW YORK			
1975	NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	RAILWAY GAZETTE INTERNATIONAL	2 123
NEW YORK CITY METROPOLITAN TRANSPORTATION AUTHORITY			
1970	CUT SUBWAY POWER COSTS	NEW YORK CITY METROPOLITAN TRANSPORTATION AUTHORITY	2 74
NEW YORK SUBWAY			
1975	NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	RAILWAY GAZETTE INTERNATIONAL	2 123
NEW YORK'S LATEST			
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2 108
NEWWEY, H.			
1975	CHARACTERIZATION PROCEDURE FOR THERMOSETTING RESINS	PENN, L. S. / NEWWEY, H.	6 363
NEWWEY, H. A.			
1973	MATERIALS EVALUATION FOR 2XIIB MAGNET	CHIAO, T. T./ WALKUP, C. M./NEWWEY, H. A.	6 322
1974	AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T./ JESSOP, E. S./NEWWEY, H. A.	6 340
1974	A MODERATE-TEMPERATURE-CURABLE EPOXY FOR ADVANCED COMPOSITE	CHIAO, T. T./ JESSOP, E. S./NEWWEY, H. A.	6 345
1975	CHEMICAL CHARACTERIZATION OF A HIGH-PERFORMANCE ORGANIC FIBER	PENN, LYNN/ NEWWEY, H. A./CHIAO, T. T.	6 352
NEWSWEEK			
1974	A FLYWHEEL IN YOUR FUTURE	NEWSWEEK	2 109
NICKEL-HYDROGEN BATTERIES			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E./HINTON, M.G./MELTZER, J. /IURA, T./DYKEMA, O./FORREST, L./HAGEN, K./KETTLER, J./LAFRANCE, R./SMALLEY, W.	2 114
NICKEL-ZINC BATTERIES			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E./HINTON, M.G./MELTZER, J. /IURA, T./DYKEMA, O./FORREST, L./HAGEN, K./KETTLER, J./LAFRANCE, R./SMALLEY, W.	2 114
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D.E./MELTZER, J.	2 118
NINTH WORLD ENERGY			
1974	NINTH WORLD ENERGY CONFERENCE. BRIEF SUMMARY	LUCCHINI, A. P.	5 246
NITROGEN CONTAINMENT			
1974	POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT	HAMSTAD, M. A./ CHIAO, T. T./JESSOP, E. S.	6 338
NITROGEN OXIDES			
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J.R./FLEMING, R.D.	2 102
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D.E./MELTZER, J.	2 118

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

NITROGEN OXIDES (CONTD.)		
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B./THUR, G. M. 2 119
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST. 3 192
NMS FLYWHEEL OPTIMISATION		
1974	A 1000 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M. 1 34
1974	A 150 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M. 1 35
NO-BREAK SET		
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J. 3 156
NO-BREAK SETS		
1974	NO-BREAK SETS	MOODY, R. L. 3 167
NOISE		
1971	POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W. 2 81
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J. 2 120
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL. 5 252
NOISE DURING RUPTURE		
1973	ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT-WOUND BOTTLES	HAMSTAD, M. A./CHIAO, T. T. 6 320
1974	A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL	HAMSTAD, M. A./CHIAO, T. T. 6 333
NON-ISOTHERMAL VISCOELASTIC SOLIDS		
1967	LINEAR NON-ISOTHERMAL VISCOELASTIC SOLIDS	CHRISTENSEN, R. M. / NAGHDI, P. M. 6 264
NON-LINEAR SILICONE DAMPER		
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A. 1 29
NON-STATIONARY RANDOM VIBRATION		
1972	NON-STATIONARY RANDOM VIBRATION OF NONLINEAR STRUCTURES	TOLAND, R. H./ YANG, C. Y./ HSU, C. S. 6 303
NONDESTRUCTIVE TESTING		
1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES 2 103
NONLINEAR CONSTITUTIVE EQUATIONS		
1973	A CRITICAL TEST FOR A CLASS OF NONLINEAR CONSTITUTIVE EQUATIONS	CHRISTENSEN, R. M. / VAN ES, H. E. 6 312
NONLINEAR PROBLEMS		
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A. 1 29
NONLINEAR STRUCTURAL RESPONSE		
1975	STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS.	LARDER, R. A. 6 349

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

NONLINEAR STRUCTURES

1972	NON-STATIONARY RANDOM VIBRATION OF NONLINEAR STRUCTURES	TOLAND, R. H. / YANG, C. Y. / HSU, C. S.	6	303
------	---	--	---	-----

NONLINEAR VISCOELASTICITY

1968	ON OBTAINING SOLUTIONS IN NONLINEAR VISCOELASTICITY.	CHRISTENSEN, R. M.	6	268
------	--	--------------------	---	-----

NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.

1966	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	2	65
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	212
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	213
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	214
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	215

NORTH AMERICAN ROCKWELL, LOS ANGELES DIV.

1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4	216
------	---	------------------------------	---	-----

NOTTI, J. E.

1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4	231
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 2: CONCEPTUAL DESIGNS	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4	232
1975	DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION.	CORMACK, A. / NOTTI, J. E. / RUIZ, M. L.	4	239
1975	DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)	NOTTI, J. E. / CORMACK, A.	4	240

NOYES, C. F.

1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J.C. / FRAZER, R. / RUBINSTEIN, N.	5	241
------	--	---	---	-----

NUCLEAR FUSION

1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3	158
1974	NEW MOMENTUM FOR NUCLEAR FUSION IN THE MAX-PLANCK-INSTITUT IN MUENCHEN, A NEW PHASE OF PLASMA RESEARCH HAS BEGUN	BRUNS, K.	3	161

NUCLEAR LOW-POLLUTION-POTENTIAL POWER

1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J.A. / CHEANEY, E.S. / CRESWICK, F. A. / TRAYSER, D.A. / FISCHER, R.D. / TIMBERLAKE, A.B. / BASHAM, S.J. / HERRIDGE, J.T. / WILCOX, J. P.	2	69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2	70

NUCLEAR POWER

1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2	70
1974	ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A.L.	3	165
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3	180
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G.C. / HART, A.B. / MOFFITT, R.D. / WRIGHT, J.	3	186
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

NUCLEAR POWER PLANTS

1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	160
1974	ENERGY CRISIS	BECCU, K. D.	3	164
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G. C. / HART, A. B. / MOFFITT, R. D. / WRIGHT, J.	3	166

NUCLEAR POWER PROJECT

1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3	180
------	---	---------------------------------	---	-----

NUCLEAR REGULATORY COMM.

1975	REACTOR COOLANT PUMP FLYWHEEL INTEGRITY	NUCLEAR REGULATORY COMM.	3	196
------	---	--------------------------	---	-----

NUCLEAR REGULATORY COMMISSION, OFFICE OF STANDARDS DEVELOPMENT

1975	REACTOR COOLANT PUMP FLYWHEEL INTEGRITY	NUCLEAR REGULATORY COMM.	3	196
------	---	--------------------------	---	-----

NUCLEAR STATION

1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2. RO INSPECTION REPORT NO. 75-01 AND CORRESPONDENCE	METROPOLITAN EDISON CO.	3	182
1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2. LICENSE APPLICATION, FSAR, AMENDMENT 27	METROPOLITAN EDISON CO.	2	127

NUMERIC DATA BANKS

1976	RESEARCH LEADING TO THE PRODUCTION AND EARLY USE OF NUMERIC DATA BANKS OF MATERIAL PROPERTIES AND SYSTEM ANALYSES	HENRY, E. A.	1	58
------	--	--------------	---	----

OBSERVATIONS

1973	THE EFFECT OF STRESS ON DIFFUSION IN COMPOSITES - EXPERIMENTAL OBSERVATIONS.	RUHMANN, D. C. / WU, E. M.	6	315
------	---	----------------------------	---	-----

OBTAINING SOLUTIONS

1968	ON OBTAINING SOLUTIONS IN NONLINEAR VISCOELASTICITY.	CHRISTENSEN, R. M.	6	268
------	--	--------------------	---	-----

OCEAN POWER.

1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRICK, P. A.	5	247
------	--	-----------------	---	-----

OCEAN THERMAL ENERGY CONVERSION

1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L.	3	188
------	---	-----------------------------------	---	-----

ODONNELL, P. J.

1974	THE LUBRICATION OF BEARINGS AND SLIP RINGS IN VACUUM	ODONNELL, P. J. / HARRIS, L. C. / WARWICK, M. G.	1	38
------	--	---	---	----

OFF-AXIS TEST

1968	OFF-AXIS TEST OF A COMPOSITE	WU, E. M. / THOMAS, R. L.	6	270
------	------------------------------	---------------------------	---	-----

OFF-PEAK ELECTRICITY

1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3	198
------	--	---	---	-----

OFF-PEAK ENERGY

1974	CAN FLYWHEELS REPLACE PUMPED STORAGE?	GINSBURG, T.	3	169
1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3	181

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

OFF-PEAK ENERGY STORAGE

1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	160
1974	STORAGE OF HIGH-GRADE ENERGY	MCALLAN, J. V.	5	245
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	176
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G. C. / HART, A. B. / MOFFITT, R. D. / WRIGHT, J.	3	186
1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L.	3	188
1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3	198

OFF-PEAK POWER

1976	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5	251
------	----------------	-------------------------------------	---	-----

OFF-PEAK STORAGE

1975	UTILITIES EYE LARGE-SCALE ENERGY STORAGE	RICCI, L. J.	3	184
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3	209

OFFICE ON MANAGEMENT

1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
------	---	----------	---	-----

OIL CONSUMPTION

1974	ENERGY VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5	243
------	--	-----------------------------	---	-----

OIL SHALE

1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5	250
------	--	---------------	---	-----

OLDAKER, I. E.

1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3	198
------	--	---	---	-----

ON-BOARD ENERGY STORAGE

1964	ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT	MARLOWE, E. W.	2	61
------	---	----------------	---	----

OPERATING LARGE EXCAVATORS

1971	OPERATING LARGE EXCAVATORS ON SMALL POWER SYSTEMS	KILGORE, L. A. / WASHBURN, D. C.	3	148
------	---	----------------------------------	---	-----

OPERATION

1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2	110
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G. C. / HART, A. B. / MOFFITT, R. D. / WRIGHT, J.	3	186

OPTIMAL EXPERIMENTAL MEASUREMENT

1972	OPTIMAL EXPERIMENTAL MEASUREMENT OF ANISOTROPIC FAILURE TENSORS	WU, E. M.	6	297
------	--	-----------	---	-----

OPTIMAL SHAPES

1975	ON OPTIMAL SHAPES FOR ANISOTROPIC ROTATING DISKS.	GERSTLE, F. P. / BIGGS, F.	1	47
------	---	----------------------------	---	----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

OPTIMISATION STUDY

1974	A 1000 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1	34
1974	A 160 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1	35

OPTIMIZATION

1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2	86
------	---	-------------------------------	---	----

ORBIT CONTROL SYSTEM

1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHNEIN, F. J.	4	237
------	--	------------------------------------	---	-----

ORGANIC FIBER

1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A. / CHIAO, T. T.	6	334
1975	CHEMICAL CHARACTERIZATION OF A HIGH-PERFORMANCE ORGANIC FIBER	PENN, LYNN / NEWBY, H. A. / CHIAO, T. T.	6	352
1975	PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER IN SEVERAL EPOXY MATRICES	CHIAO, T. T. / JESSOP, E. S. / HAMSTAD, M. A.	6	357
1976	AN ACCELERATED TEST FOR PREDICTING THE LIFETIME OF ORGANIC FIBER COMPOSITES	CHIAO, C. C.	6	376

ORGANIC FIBER COMPOSITE

1974	ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A. / CHIAO, T. T.	6	334
------	---	-------------------------------	---	-----

ORGANIC FIBER COMPOSITES

1976	AN ACCELERATED TEST FOR PREDICTING THE LIFETIME OF ORGANIC FIBER COMPOSITES	CHIAO, C. C.	6	376
------	---	--------------	---	-----

ORGANIC FIBER/EPOXIDE COMPOSITES

1973	ORGANIC FIBER/EPOXIDE COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6	316
------	----------------------------------	-----------------------------	---	-----

ORGANIC FIBER/EPOXY

1973	FILAMENT-WOUND VESSEL FROM AN ORGANIC FIBER/EPOXY SYSTEM	CHIAO, T. T. / MARCON, M. A.	6	317
1973	STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T. / WELLS, J. E. / MOORE, R. L. / HAMSTAD, M. A.	6	318
1973	FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN SYSTEM	CHIAO, T. T. / HAMSTAD, M. A. / MARCON, M. A. / HANAFEE, JR.	6	323
1974	A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL	HAMSTAD, M. A. / CHIAO, T. T.	6	333
1974	ORGANIC FIBER/EPOXY PRESSURE VESSELS	CHIAO, T. T. / HAMSTAD, M. A. / MARCON, M. A.	6	336
1975	FATIGUE LIFE OF ORGANIC FIBER/EPOXY PRESSURE VESSELS	HAMSTAD, M. A. / CHIAO, T. T. / PATTERSON, R. G.	6	354

ORGANIC FIBER/EPOXY SYSTEM

1973	FILAMENT-WOUND VESSEL FROM AN ORGANIC FIBER/EPOXY SYSTEM	CHIAO, T. T. / MARCON, M. A.	6	317
------	--	------------------------------	---	-----

ORGANIC FIBER/EPOXY MATRIX

1973	STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T. / WELLS, J. E. / MOORE, R. L. / HAMSTAD, M. A.	6	318
------	---	---	---	-----

ORGANIC FIBER/EPOXY RESIN

1973	FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN SYSTEM	CHIAO, T. T. / HAMSTAD, M. A. / MARCON, M. A. / HANAFEE, JR.	6	323
------	---	--	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ORGANIC MATERIALS DIVISION			
1976	ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6 376
1976	ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6 381
ORGANIC RANKINE CYCLE			
1972	LOW PEAK TEMPERATURES AND HYDRODYNAMIC BEARINGS - KEY TO LONG LIFE ORGANIC RANKINE CYCLE SYSTEMS	BORETZ, J. E.	3 150
ORIENTED FIBRE			
1972	EFFECTIVE STIFFNESS OF RANDOMLY ORIENTED FIBRE COMPOSITES	CHRISTENSEN, R. M. / WAALS, F. M.	6 292
ORIENTED FIBRE COMPOSITES			
1972	EFFECTIVE STIFFNESS OF RANDOMLY ORIENTED FIBRE COMPOSITES	CHRISTENSEN, R. M. / WAALS, F. M.	6 292
ORTHOTROPIC PLATE			
1971	FRACTURE CRITERIA FOR ORTHOTROPIC PLATE UNDER COMPRESSION AND SHEAR	WU, E. M.	6 281
ORTHOTROPIC PLATES			
1985	A FRACTURE CRITERION FOR ORTHOTROPIC PLATES UNDER THE INFLUENCE OF COMPRESSION AND SHEAR	WU, E. M.	6 258
ORTIZ, J. V.			
1970	FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS	ORTIZ, J. V.	3 144
OSCILLATION MODES			
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A.	1 29
OSCILLATIONS THROUGH FLYWHEEL			
1971	MINIMIZATION OF MECHANISM OSCILLATIONS THROUGH FLYWHEEL TUNING	MAHIG, J.	1 16
OTEC PLANTS			
1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L.	3 188
PAGANO			
1989	CHARACTERIZATION OF ANISOTROPIC COMPOSITES	HALPIN, J. C. / PAGANO / WHITNEY / WU, E. M.	6 271
PAPERS--SURVEY			
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 160
PART-TIME FLYWHEEL			
1973	HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL TIME TRANSPORTATION	LINDSLEY, E. F.	2 97
PASSIVE MAGNETIC BEARING			
1975	DESIGN AND DEVELOPMENT OF A MOMENTUM WHEEL WITH A MAINLY PASSIVE MAGNETIC BEARING FINAL REPORT	ESA	1 45

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

PATTERSON, R.			
1974	FATIGUE PERFORMANCE OF METAL-LINED GRAPHITE/EPOXY VESSELS	HAMSTAD, M. A./ CHIAO, T. T. /PATTERSON, R.	6 339
PATTERSON, R. G.			
1975	FATIGUE LIFE OF ORGANIC FIBER/EPOXY PRESSURE VESSELS	HAMSTAD, M. A./ CHIAO, T. T. /PATTERSON, R. G.	6 354
PEAK ENERGY DEMANDS			
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4 216
PEAK LOAD MANAGEMENT			
1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3 181
PEAK POWER SUPPLIES			
1974	ENERGY CRISIS	BECCU, K. D.	3 164
PEAK TEMPERATURES			
1972	LOW PEAK TEMPERATURES AND HYDRODYNAMIC BEARINGS - KEY TO LONG LIFE ORGANIC RANKINE CYCLE SYSTEMS	BORETTZ, J. E.	3 150
PEAKING DEMANDS			
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 160
PEAKING SYSTEM			
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3 209
PELLY, B. R.			
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, R. R.	3 195
PENN, L. S.			
1975	SCREENING OF EPOXY SYSTEMS FOR HIGH-PERFORMANCE FILAMENT WINDING APPLICATIONS	CHIAO, T. T./ JESSOP, E. S./PENN, L. S.	6 355
1975	A LONG POT LIFE EPOXY SYSTEM FOR FILAMENT WINDING	PENN, L. S./CHIAO, T. T.	6 356
1975	FIBER COMPOSITES FOR ENERGY STORAGE FLYWHEELS.	PENN, L. S./CHIAO, T. T.	6 362
1975	CHARACTERIZATION PROCEDURE FOR THERMOSETTING RESINS	PENN, L. S. / NEWHEY, H.	6 363
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S./ CLEMENTS, L. L. / CHIAO, C. C.	6 364
1975	FIBER EVALUATION FOR FLYWHEEL APPLICATIONS	PENN, L. S. / CHIAO, T. T.	1 52
1976	CHARACTERIZATION OF A POLYAMIDE MATRIX FOR FIBER COMPOSITES	PENN, L. S. / MONES, E. T. / CHIAO, T. T.	6 372
PENN, LYNN			
1975	CHEMICAL CHARACTERIZATION OF A HIGH-PERFORMANCE ORGANIC FIBER	PENN, LYNN/ NEWHEY, H. A./CHIAO, T. T.	6 352
PENNER, S. S.			
1974	ENERGY VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S./ICERMAN, L.	5 243
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5 248

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

PEOPLE

1974 KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE BAXTER, J. W. / LAWSON, L. J. 2 107

PERFORMANCE

1969 STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES BATTELLE COLUMBUS LABS. 2 70

1971 POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL RABENHORST, D. W. 2 81

1971 FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM MECHANICAL TECHNOLOGY, INC. 2 82

1972 HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT CORDNER, M. A. / GRIMM, D. H. 2 86

1972 HIGH PERFORMANCE HELICOPTER HOIST PROGRAM LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T. 4 226

1973 ENERGY STORAGE VIA FLYWHEELS GILMAN, J. J. / HUCKE, E. E. 3 154

1974 TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER CHIAO, T. T. / HAMSTAD, M. A. / JESSOP, E. S. 6 337

1974 FATIGUE PERFORMANCE OF METAL-LINED GRAPHITE/EPOXY VESSELS HAMSTAD, M. A. / CHIAO, T. T. / PATTERSON, R. 6 339

1974 CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS. LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W. 2 114

1974 MULTIRIM SUPERFLYWHEEL TECHNICAL MEMO RABENHORST, D. W. 1 33

1974 ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES STERNLICHT, B. / THUR, G. M. 2 119

1975 HIGH PERFORMANCE VESSELS FROM AN AROMATIC POLYAMIDE FIBER/EPOXY COMPOSITE CHIAO, T. T. / HAMSTAD, M. A. 6 351

1975 PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER IN SEVERAL EPOXY MATRICES CHIAO, T. T. / JESSOP, E. S. / HAMSTAD, M. A. 6 357

1975 REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR. NARDI, V. 3 194

1975 LONG-TERM PERFORMANCE OF FIBER COMPOSITES CHIAO, C. C. 6 366

PERFORMANCE OF FIBER

1975 LONG-TERM PERFORMANCE OF FIBER COMPOSITES CHIAO, C. C. 6 366

PERFORMANCE OF FILAMENT-WOUND

1975 PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER IN SEVERAL EPOXY MATRICES CHIAO, T. T. / JESSOP, E. S. / HAMSTAD, M. A. 6 357

PERFORMANCE OF METAL-LINED

1974 FATIGUE PERFORMANCE OF METAL-LINED GRAPHITE/EPOXY VESSELS HAMSTAD, M. A. / CHIAO, T. T. / PATTERSON, R. 6 339

PERFORMANCE TESTING

1971 FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION. FINAL REPORT GILBERT, R. R. / HARVEY, J. R. / HEUER, G. E. / LAWSON, L. J. 2 77

1971 DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES LAWSON, L. J. 2 79

1974 HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE SCHRECK, H. / TORRES, F. 2 117

1974 STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES LAPEDES, D. E. / MELTZER, J. 2 118

1976 HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE SCHRECK, H. / TORRES, F. 2 133

PERINI, L. L.

1971 FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L. 2 80

1972 HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L. / RABENHORST, D. W. / SMALL, T. R. / WEISS, R. O. 1 18

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

PERIODIC ARRAY

1974	WAVE PROPAGATION IN ELASTIC MEDIA WITH A PERIODIC ARRAY OF DISCRETE INCLUSIONS	CHRISTENSEN, R. M.	6 331
------	--	--------------------	-------

PERKINS ENGINES LTD.

1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P. J.	1 40
------	--	---------------	------

PERSONNEL

1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5 250
------	---	---------------	-------

PERTURBATIONS

1968	FLYWHEEL STABILIZATION OF A RIGID BODY SUBJECTED TO CONSTANTLY APPLIED PERTURBATIONS	DERGACHEVA, E. I.	3 140
------	--	-------------------	-------

PETROLEUM

1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5 244
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2 119
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5 248

PETZTRICK, P. A.

1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZTRICK, P. A.	5 247
------	--	------------------	-------

PEZDIRTZ, G. F.

1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3 199
------	---	-----------------	-------

PFEIFFER, F.

1973	DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR ARRAYS	PFEIFFER, F. / POHL, A.	4 227
------	---	-------------------------	-------

PHENOMENOLOGICAL ANISOTROPIC FAILURE

1974	PHENOMENOLOGICAL ANISOTROPIC FAILURE CRITERION	WU, E. M.	6 326
------	--	-----------	-------

PHILIPS GLOEILAMPENFABRIEKEN N. V.

1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G.	4 225
------	---	---------------	-------

PHOTOVOLTAIC CELLS

1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.	2 69
------	---	---	------

PHYSICAL MECHANISM

1974	A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL	HAMSTAD, M. A. / CHIAO, T. T.	6 333
------	--	-------------------------------	-------

PIPE

1987	THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF TWO ANGLE WOUND PIPE	CHIAO, T. T.	6 265
------	--	--------------	-------

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

PIPELINES		
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO. 3 180
PIRKLE, J.C.		
1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J.C. / FRAZER, R. / RUBINSTEIN, N. 5 241
PLAN FOR SUPERFLYWHEEL		
1974	TECHNICAL PROGRAM PLAN FOR SUPERFLYWHEEL DEVELOPMENT	RABENHORST, D. W. 1 27
PLANNING		
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O.W. / MORASH, R.T. / BARBER, R. J. 3 159
1974	ELECTRIC POWER SYSTEMS	ERDA 3 179
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G.C. / HART, A.B. / MOFFITT, R.D. / WRIGHT, J. 3 186
PLANS		
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT 5 244
PLANT		
1975	POWER PLANT	ARIGA, H. 3 197
PLANTS		
1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L. 3 188
PLASMA FOCUS DEVICES		
1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V. 3 194
PLASMA RESEARCH		
1974	NEW MOMENTUM FOR NUCLEAR FUSION. IN THE MAX-PLANCK-INSTITUT IN MUENCHEN, A NEW PHASE OF PLASMA RESEARCH HAS BEGUN	BRUNS, K. 3 181
PLASMAPHYSIK		
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	NOBLOCH, A. / KOTTMAYER, M. / SCHLUETER, W. / VAU, G. 3 173
PLASTICS		
1965	CRACK EXTENSION IN FIBERGLASS-REINFORCED PLASTICS	WU, E. M. / REUTER, R. C. 6 259
1971	FRACTURE TOUGHNESS IN UNIDIRECTIONAL GLASS-REINFORCED PLASTICS	SANFORD, R. J. / STONESIFER, F. R. 6 287
PLATE		
1963	VIBRATION OF A 45-DEG. RIGHT TRIANGLE CANTILEVER PLATE BY A GRIDWORK METHOD.	CHRISTENSEN, R. M. 6 255
1971	FRACTURE CRITERIA FOR ORTHOTROPIC PLATE UNDER COMPRESSION AND SHEAR	WU, E. M. 6 281
PLATE UNDER COMPRESSION		
1971	FRACTURE CRITERIA FOR ORTHOTROPIC PLATE UNDER COMPRESSION AND SHEAR	WU, E. M. 6 281

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

PLATES

1985	A FRACTURE CRITERION FOR ORTHOTROPIC PLATES UNDER THE INFLUENCE OF COMPRESSION AND SHEAR	WU, E. M.	6 258
1987	APPLICATION OF FRACTURE MECHANICS TO ANISOTROPIC PLATES	WU, E. M.	6 282
1988	FRACTURE MECHANICS OF ANISOTROPIC PLATES	WU, E. M.	6 266

PLUST, H. G.

1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. /PLUST, H. G.	2 111
------	--	-------------------------	-------

POHL, A.

1973	DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR ARRAYS	PFEIFFER, F. /POHL, A.	4 227
------	---	------------------------	-------

POLICY

1974	ENERGY VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. /ICERMAN, L.	5 243
------	---	----------------------------	-------

POLLUTION

1972	TWO NEW WEAPONS AGAINST AUTOMOTIVE AIR POLLUTION: THE HYDROSTATIC DRIVE AND THE FLYWHEEL-ELECTRIC LDV.	WHITLAW, R. L.	2 90
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124

POLYAMIDE FIBER/ EPOXY

1975	HIGH PERFORMANCE VESSELS FROM AN AROMATIC POLYAMIDE FIBER/ EPOXY COMPOSITE	CHIAO, T. T. /HAMSTAD, M. A.	6 351
------	--	------------------------------	-------

POLYAMIDE FIBERS

1978	CHEMISTRY AND TECHNOLOGY OF HIGH STRENGTH POLYAMIDE FIBERS	LARSEN, F. N.	6 377
------	--	---------------	-------

POLYAMIDE MATRIX

1976	CHARACTERIZATION OF A POLYAMIDE MATRIX FOR FIBER COMPOSITES	PENN, L. S. / MONES, E. T. / CHIAO, T. T.	6 372
------	---	---	-------

POLYIMIDES

1974	POLYIMIDES FOR FIBER COMPOSITES	LORENSEN, L. E.	6 341
------	---------------------------------	-----------------	-------

POLYMER-LINED FILAMENT-WOUND

1974	POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT	HAMSTAD, M. A. / CHIAO, T. T. / JESSOP, E. S.	6 338
------	--	---	-------

POLYMERS

1972	KINETIC FAILURE PROCESSES OF POLYMERS	WU, E. M. / HALPIN, J. C.	6 290
1975	LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C.	6 386

PONDS

1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 160
------	--	-----	-------

PORTABLE ELECTRICITY

1970	HIGH-SPEED ENERGY WHEEL OFFERS TROLLEYS PORTABLE ELECTRICITY	PRODUCT ENGINEERING	2 72
------	--	---------------------	------

POST, R. F.

1972	INERTIAL ENERGY STORAGE APPARATUS AND SYSTEM FOR UTILIZING THE SAME	POST, R. F. / POST, S. F.	2 88
------	---	---------------------------	------

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

POST, R. F. (CONTD.)			
1973	FLYWHEELS	POST, R. F./POST, S. F.	1 25
1974	ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-DRIVE AUTOMOBILE	POST, R.F.	2 101
POST, S. F.			
1972	INERTIAL ENERGY STORAGE APPARATUS AND SYSTEM FOR UTILIZING THE SAME	POST, R. F. / POST, S. F.	2 88
1973	INERTIAL ENERGY STORAGE APPARATUS	POST, S. F.	2 98
1973	FLYWHEELS	POST, R. F./POST, S. F.	1 25
POT LIFE EPOXY			
1975	A LONG POT LIFE EPOXY SYSTEM FOR FILAMENT WINDING	PENN, L. S./CHIAO, T. T.	6 356
POTENTIAL APPLICATIONS			
1971	POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2 81
POTENTIAL FOR LARGE-SCALE			
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3 177
POTENTIAL IN AUTOMOTIVE			
1971	EVALUATION OF HYBRID HEAT ENGINE/ELECTRIC SYSTEMS FOR LOW EXHAUST EMISSION POTENTIAL IN AUTOMOTIVE APPLICATIONS	LAPEDES, D.E./MELTZER, J.	2 78
POUBEAU, P.			
1970	A NEW TECHNICAL IDEA ON FLYWHEELS {NOUVELLE CONCEPTION TECHNIQUE DES VOLANTS D'INERTIE}	POUBEAU, P.	4 220
POWER			
1964	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2 62
1968	CAPTURED LOAD RESILIENCE OF A HYDRAULIC VIBRATOR SAVES POWER	LANKESTER, J. A.	1 9
1968	EMERGENCY PUMP SYSTEMS ARE BOOTSTRAPS TO POWER	PRODUCT ENG.	3 141
1969	WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4 217
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J.A./CHEANEY, E.S./CRESWICK, F. A./TRAYSER, D.A./FISCHER, R.D. /TIMBERLAKE, A.B./BASHAM, S.J. /HERRIDGE, J.T. /WILCOX, J. P. BATTELLE COLUMBUS LABS.	2 69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES		2 70
1970	FLYWHEEL GENERATORS FOR INSTANT POWER	ASHMOLE, P. H.	3 145
1970	SUPER FLYWHEEL TO POWER ZERO-EMISSION CAR	ARMAGNAC, A. P.	2 73
1970	CUT SUBWAY POWER COSTS	NEW YORK CITY METROPOLITAN TRANSPORTATION AUTHORITY	2 74
1971	OPERATING LARGE EXCAVATORS ON SMALL POWER SYSTEMS	KILGORE, L. A. / WASHBURN, D. C.	3 148
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2 79
1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP.	3 149
1972	SUMMARY OF GAS BEARING APPLICATIONS IN THE FIELD OF SPACE ELECTRIC POWER SYSTEMS	DUNN, J. H. / REAM, L. W.	4 223
1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C.	2 92
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3 155
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H.G./ROWBERG, R.E./TOLK, K.M. /WELDON, W.F./WOODSON, H.H.	3 156
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A.	1 29
1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3 158
1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3 162

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

POWER (CONTD.)

1974	ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W.E.	3	168
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS	AEROSPACE CORP.	2	113
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E./HINTON, M.G./MELTZER, J. /IURA, T./DYKEMA, O./FORREST, L./HAGEN, K./KETTNER, J./LAFRANCE, R./SMALLEY, W.	2	114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E./HINTON, M.G./MELTZER, J. /IURA, T.	2	115
1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3	170
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3	172
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A./KOTTMAYER, M./SCHLUETER, W. /VAU, G.	3	173
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3	178
1974	ELECTRIC POWER SYSTEMS	ERDA	3	179
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3	180
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS	GILBERT, J.S./KERN, E.A.	3	183
1975	VEHICLE POWER SYSTEM FOR LIMITED VEHICLE MOVEMENT WITHOUT USE OF FUEL	STROHLEIN, J.N.	2	126
1975	WIND POWER	HERONEMUS, W.E.	5	249
1975	HYBRID POWER SYSTEM	SUGIYAMA, H./HIROTA, T./KAKEI, J. /KABASAWA, Y.	2	129
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3	195
1975	POWER PLANT	ARIGA, H.	3	197
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
1975	FLYWHEELS - POWER ON THE FLY	MECH. ENG.	3	202
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3	207
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.	DAVIS, D. D.	2	134
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.	DAVIS, D. D.	2	135

POWER CONVERSION SYSTEM

1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3	170
------	------------------------------	--------------	---	-----

POWER COSTS

1970	CUT SUBWAY POWER COSTS	NEW YORK CITY METROPOLITAN TRANSPORTATION AUTHORITY	2	74
------	------------------------	--	---	----

POWER DEMAND

1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3	178
------	--	------------------------------------	---	-----

POWER DISTRIBUTION

1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3	207
------	---	-------------	---	-----

POWER FAILURE

1970	FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS	ORTIZ, J. V.	3	144
------	---	--------------	---	-----

POWER GENERATION

1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3	170
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3	180

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

POWER GENERATION (CONTD.)

1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3 204
------	--	-----------	-------

POWER GRIDS

1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3 207
------	---	-------------	-------

POWER INDUSTRY

1974	ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W.E.	3 168
------	--	--------------	-------

POWER NEEDS

1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3 162
------	--	---------------	-------

POWER PLANT

1975	POWER PLANT	ARIGA, H.	3 197
------	-------------	-----------	-------

POWER PLANTS

1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O.W./MORASH, R.T./BARBER, R. J.	3 159
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5 244
1974	ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W.E.	3 168
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3 176

POWER PROJECT

1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
------	--	---------------------------------	-------

POWER REACTORS

1975	REACTOR COOLANT PUMP FLYWHEEL INTEGRITY	NUCLEAR REGULATORY COMM.	3 198
------	---	--------------------------	-------

POWER SOURCE

1964	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2 62
------	--	---	------

POWER SOURCES

1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J.A./CHEANEY, E.S./CRESWICK, F. A./TRAYSER, D.A./FISCHER, R.D. /TIMBERLAKE, A.B./BASHAM, S.J. /HERRIDGE, J.T. /WILCOX, J. P.	2 69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70

POWER SUPPLIES

1970	FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS	ORTIZ, J. V.	3 144
1971	POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2 81
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H.G./ROWBERG, R.E./TOLK, K.M. /WELDON, W.F./WOODSON, H.H.	3 156
1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3 158
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS	GILBERT, J.S./KERN, E.A.	3 183
1975	PROPOSED TFTR ELECTRICAL SYSTEM	BRONNER, G. / MURRAY, J.	3 200

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

POWER SUPPLY

1970	A GREASE-LUBRICATED HYDRODYNAMIC BEARING SYSTEM FOR A SATELLITE FLYWHEEL	REINHOUDT, J. P.	4	218
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H.	3	158
1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3	158
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4	234
1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A. / KOTTMAYER, M. / SCHLUETER, W. / VAU, G.	3	173
1975	DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)	NOTTI, J. E. / CORMACK, A.	4	240

POWER SYSTEM

1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP.	3	149
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3	155
1975	VEHICLE POWER SYSTEM FOR LIMITED VEHICLE MOVEMENT WITHOUT USE OF FUEL	STROHLEIN, J. N.	2	126
1975	HYBRID POWER SYSTEM	SUGIYAMA, H. / HIROTA, T. / KAKEI, J. / KABASAWA, Y.	2	129
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.	DAVIS, D. D.	2	134
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.	DAVIS, D. D.	2	135

POWER SYSTEM ALTERNATIVES

1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3	155
------	---	---------------	---	-----

POWER SYSTEMS

1969	WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4	217
1971	OPERATING LARGE EXCAVATORS ON SMALL POWER SYSTEMS	KILGORE, L. A. / WASHBURN, D. C.	3	148
1972	SUMMARY OF GAS BEARING APPLICATIONS IN THE FIELD OF SPACE ELECTRIC POWER SYSTEMS	DUNN, J. H. / REAM, L. W.	4	223
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS	AEROSPACE CORP.	2	113
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2	114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2	115
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3	172
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3	178
1974	ELECTRIC POWER SYSTEMS	ERDA	3	179

POWER TECHNOLOGY

1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
------	---	-----------------	---	-----

POWER TRAIN

1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C.	2	92
------	-------------------------------------	---------------	---	----

POWER TRANSMISSION

1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2	70
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
1974	ELECTRIC POWER SYSTEMS	ERDA	3	179
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

POWER TRANSMISSION (CONTD.)			
1975	PROPOSED TFTR ELECTRICAL SYSTEM	BRONNER, G. / MURRAY, J.	3 200
POWER TRANSMISSION LINES			
1974	ELECTRIC POWER SYSTEMS	ERDA	3 179
POWER UNIT			
1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP.	3 149
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A.	1 29
POWER-SYSTEMS RESEARCH			
1970	POWER-SYSTEMS RESEARCH SHIFTS TO MEET SOCIAL GOALS	CHEM. ENG.	3 147
POWER/ATTITUDE CONTROL SYSTEM			
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4 231
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 2: CONCEPTUAL DESIGNS	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4 232
1975	DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)	NOTTI, J. E. / CORMACK, A.	4 240
POWERED			
1971	SUPER FLYWHEEL CONFIGURATIONS FORM HEART OF MECHANICAL-POWERED DRIVES	CHIRONIS, N. P.	2 76
1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2 108
1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V.	3 194
POWERED VEHICLE DRIVE			
1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2 108
PRACTICAL FLYWHEEL ENGINE			
1976	FLYWHEELS - PRACTICAL FLYWHEEL ENGINE: WILL FIBER GLASS BE THE ANSWER?	IL BUS W	2 136
PRATT AND WHITNEY AIRCRAFT			
1969	FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE	SVENSSON, A. / WETHERBEE, A. E.	3 142
PRD-49 FIBER			
1972	TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX	CHIAO, T. T./MOORE, R. L.	6 305
PRD-49-III EPOXY COMPOSITE			
1973	STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T./ WELLS, J. E./ MOORE, R. L./HAMSTAD, M. A.	6 318
PREDICTING THE LIFETIME			
1976	AN ACCELERATED TEST FOR PREDICTING THE LIFETIME OF ORGANIC FIBER COMPOSITES	CHIAO, C. C.	6 376
PREDICTION			
1968	PREDICTION OF THE TRANSIENT RESPONSE OF A LINEAR VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 260
PREISWERK, P. R.			
1970	AXISYMMETRIC FILAMENTARY STRUCTURES	FRASER, A. F. / PREISWERK, P. R. / BENTON, M. D. / BURG-GRAF, O. R.	6 278

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

PRESENT-DAY PROBLEMS

- | | | | | |
|------|--|-------------------------|---|-----|
| 1974 | ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS | BADER, C. /PLUST, H. G. | 2 | 111 |
|------|--|-------------------------|---|-----|

PRESSURE

- | | | | | |
|------|--|--|---|-----|
| 1967 | THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF TWO ANGLE WOUND PIPE | CHIAO, T. T. | 6 | 285 |
| 1972 | ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES | HAMSTAD, M. A. | 6 | 306 |
| 1972 | ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES | HAMSTAD, M. A. | 6 | 307 |
| 1974 | A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL | HAMSTAD, M. A./CHIAO, T. T. | 6 | 333 |
| 1974 | ORGANIC FIBER/EPOXY PRESSURE VESSELS | CHIAO, T. T./ HAMSTAD, M. A./MARCON, M. A. | 6 | 336 |
| 1974 | POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT | HAMSTAD, M. A./ CHIAO, T. T./JESSOP, E. S. | 6 | 338 |
| 1975 | FATIGUE LIFE OF ORGANIC FIBER/EPOXY PRESSURE VESSELS | HAMSTAD, M. A./ CHIAO, T. T. /PATTERSON, R. G. | 6 | 354 |
| 1975 | HOLOGRAPHIC EXAMINATION OF A COMPOSITE PRESSURE VESSEL | MEYER, M.D./KATAYANAGI, T. E. | 6 | 360 |

PRESSURE BOTTLES

- | | | | | |
|------|--|----------------|---|-----|
| 1972 | ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES | HAMSTAD, M. A. | 6 | 306 |
| 1972 | ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES | HAMSTAD, M. A. | 6 | 307 |

PRESSURE VESSEL

- | | | | | |
|------|--|-------------------------------|---|-----|
| 1974 | A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL | HAMSTAD, M. A./CHIAO, T. T. | 6 | 333 |
| 1975 | HOLOGRAPHIC EXAMINATION OF A COMPOSITE PRESSURE VESSEL | MEYER, M.D./KATAYANAGI, T. E. | 6 | 360 |

PRESSURE VESSELS

- | | | | | |
|------|--|--|---|-----|
| 1974 | ORGANIC FIBER/EPOXY PRESSURE VESSELS | CHIAO, T. T./ HAMSTAD, M. A./MARCON, M. A. | 6 | 336 |
| 1974 | POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT | HAMSTAD, M. A./ CHIAO, T. T./JESSOP, E. S. | 6 | 338 |
| 1975 | SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION | PUGET SOUND POWER AND LIGHT CO. | 3 | 180 |
| 1975 | FATIGUE LIFE OF ORGANIC FIBER/EPOXY PRESSURE VESSELS | HAMSTAD, M. A./ CHIAO, T. T. /PATTERSON, R. G. | 6 | 354 |

PRESSURIZATION

- | | | | | |
|------|--|---------------------------------------|---|---|
| 1965 | RESPONSE TO PRESSURIZATION OF A VISCOELASTIC CYLINDER WITH AN ERODING INTERNAL BOUNDARY. | CHRISTENSEN, R. M. / SCHREINER, R. N. | 1 | 5 |
|------|--|---------------------------------------|---|---|

PREVENT

- | | | | | |
|------|---|---|---|----|
| 1972 | DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE) | BONNET-THIRION, C.J./ROBIDA, L. /FOLDES, G. | 1 | 21 |
|------|---|---|---|----|

PRICING

- | | | | | |
|------|--|---------------------------|---|-----|
| 1974 | ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY | PENNER, S. S./ICERMAN, L. | 5 | 243 |
|------|--|---------------------------|---|-----|

PRIMARY COOLANT CIRCUITS

- | | | | | |
|------|---|--------------------------|---|-----|
| 1975 | REACTOR COOLANT PUMP FLYWHEEL INTEGRITY | NUCLEAR REGULATORY COMM. | 3 | 196 |
|------|---|--------------------------|---|-----|

PRIMARY ENERGY STORAGE

- | | | | | |
|------|---|-------------------|---|----|
| 1969 | PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL | RABENHORST, D. W. | 2 | 68 |
| 1970 | PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL | RABENHORST, D. W. | 1 | 14 |

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

PRIME MOVER			
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R. / FLEMING, R. D.	2 102
PRIME MOVERS			
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2 119
PRINCETON UNIV., PLASMA PHYSICS LAB., N.J.			
1975	PROPOSED TFTR ELECTRICAL SYSTEM	BRONNER, G. / MURRAY, J.	3 200
PROBABILISTIC DESIGN			
1974	PROBABILISTIC DESIGN OF COMPOSITE STRUCTURES	MAXWELL, R. / TOLAND, R. H. / JOHNSON, C. W.	6 329
PROBABILITY			
1971	A RANDOM WALK MODEL FOR FIRST-PASSAGE PROBABILITY	TOLAND, R. H. / YANG, C. Y.	6 289
PROBLEM			
1973	ANGULAR MOMENTUM AND THE AIRCRAFT-STORE SEPARATION PROBLEM	DANIELS, P. / CLARE, T. A.	1 24
PROBLEMS			
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2 111
PROCEDURE FOR THERMOSETTING			
1975	CHARACTERIZATION PROCEDURE FOR THERMOSETTING RESINS	PENN, L. S. / NEWBY, H.	6 363
PROCEDURES			
1974	ITERATIVE PROCEDURES FOR CALCULATING THE FIRST TORSIONAL EIGENFREQUENCY OF A SHAFT WITH SEVERAL FLYWHEELS	ATZORI, B. / CURTI, G.	1 31
PROCEDURES FOR CALCULATING			
1974	ITERATIVE PROCEDURES FOR CALCULATING THE FIRST TORSIONAL EIGENFREQUENCY OF A SHAFT WITH SEVERAL FLYWHEELS	ATZORI, B. / CURTI, G.	1 31
PROCEEDINGS			
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2 83
PROCESSES OF POLYMERS			
1972	KINETIC FAILURE PROCESSES OF POLYMERS	WU, E. M. / HALPIN, J. C.	6 290
PRODUCED DURING BURST			
1973	ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT-WOUND BOTTLES	HAMSTAD, M. A. / CHIAO, T. T.	6 320
PRODUCT ENG.			
1967	FLYWHEEL INERTIA ACTUATES AUTOMATIC ANTI-SKID DEVICE	PRODUCT ENG.	2 67
1968	EMERGENCY PUMP SYSTEMS ARE BOOTSTRAPS TO POWER	PRODUCT ENG.	3 141
PRODUCT ENGINEERING			
1970	HIGH-SPEED ENERGY WHEEL OFFERS TROLLEYS PORTABLE ELECTRICITY	PRODUCT ENGINEERING	2 72
1973	STORED ENERGY IN A SPINNING DISK COULD ALLEVIATE THE ENERGY CRISIS	PRODUCT ENGINEERING	2 99

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

PRODUCTION

1974	ELECTRIC POWER SYSTEMS	ERDA	3	179
1976	RESEARCH LEADING TO THE PRODUCTION AND EARLY USE OF NUMERIC DATA BANKS OF MATERIAL PROPERTIES AND SYSTEM ANALYSES	HENRY, E. A.	1	58

PROGRAM FOR COMPOSITE

1975	LLL PROGRAM FOR COMPOSITE FLYWHEEL	CHIAO, T. T. / STONE, R. G.	3	203
------	------------------------------------	-----------------------------	---	-----

PROGRAM FOR FLYWHEEL

1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6	364
1976	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS	STONE, R. G.	1	57

PROGRAM STRATEGIES

1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
------	---	----------	---	-----

PROGRESS REPORT

1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J.C. / FRAZER, R. / RUBINSTEIN, N.	5	241
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6	364
1976	ENERGY AND TECHNOLOGY REVIEW (MONTHLY PROGRESS REPORT 6/76)	SELDEN, R. W.	5	253

PROJECT INDEPENDENCE

1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2	119
------	---	------------------------------	---	-----

PROPAGATION IN ELASTIC

1974	WAVE PROPAGATION IN ELASTIC MEDIA WITH A PERIODIC ARRAY OF DISCRETE INCLUSIONS	CHRISTENSEN, R. M.	6	331
------	--	--------------------	---	-----

PROPAGATION IN LAYERED

1976	WAVE PROPAGATION IN LAYERED ELASTIC MEDIA	CHRISTENSEN, R. M.	6	370
------	---	--------------------	---	-----

PROPAGATION PHENOMENA

1969	SOME UNIQUE CRACK PROPAGATION PHENOMENA IN UNIDIRECTIONAL COMPOSITES AND THEIR MATHEMATICAL CHARACTERIZATION	WU, E. M.	6	272
------	--	-----------	---	-----

PROPANE

1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. / LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2	69
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.		2	115

PROPERTIES OF EPOXY

1974	A MODERATE-TEMPERATURE-CURABLE EPOXY FOR ADVANCED COMPOSITE	CHIAO, T. T. / JESSOP, E. S. / NEWHEY, H. A.	6	345
------	---	--	---	-----

PROPERTIES OF FILAMENT-

1975	ELONGATED-RING SPECIMEN FOR TENSILE PROPERTIES OF FILAMENT-WOUND COMPOSITES	CLEMENTS, L. L. / MOORE, R. L. / CHIAO, T. T.	6	358
------	---	---	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

PROPERTIES OF HETEROGENEOUS

1969 VISCOELASTIC PROPERTIES OF HETEROGENEOUS MEDIA

CHRISTENSEN, R. M.

6 274

PROPERTIES OF PRD-49

1972 TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX

CHIAO, T. T./MOORE, R. L.

6 305

PROPERTY EVALUATION

1973 ORGANIC FIBER/EPOXIDE COMPOSITES

CHIAO, T. T./MOORE, R. L.

6 316

PROPERTY IN SHEAR

1984 AN EXPERIMENT FOR DETERMINATION OF THE MECHANICAL PROPERTY IN SHEAR FOR A LINEAR ISOTROPIC VISCOELASTIC SOLID.

CHRISTENSEN, R. M. / GOTTENBERG, W. G.

6 256

PROPOSED TFTR ELECTRICAL

1975 PROPOSED TFTR ELECTRICAL SYSTEM

BRONNER, G. / MURRAY, J.

3 200

PROPULSION

1969 STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES

HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. BATTELLE COLUMBUS LABS.

2 69

1969 STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES

FRAIZE, W. E. / LAY, R. K.

2 75

1970 SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES. FINAL REPORT.

DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L. MECHANICAL TECHNOLOGY, INC.

2 80

1971 FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES

MECHANICAL TECHNOLOGY, INC.

2 82

1971 FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM

CORDNER, M. A. / GRIMM, D. H.

2 86

1972 HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT

DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L. / RABENHORST, D. W. / SMALL, T. R. / WEISS, R. O.

1 18

1972 HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT

GILBERT, R. R. / HEUER, G. E. / JACOBSEN, E. H. / KUHN, E. B. / LAWSON, L. J. / WADA, W. T.

2 87

1972 FLYWHEEL DRIVE SYSTEMS STUDY. FINAL REPORT

LAWSON, L. J.

2 89

1972 APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION

REIMERS, E.

2 91

1973 HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS

LAWSON, L. J.

2 98

1973 KINETIC ENERGY STORAGE: A 'NEW' PROPULSION ALTERNATIVE FOR MASS TRANSPORTATION

WEBER, R. / MENKES, S.

2 100

1974 FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE

BADER, C. / PLUST, H. G.

2 111

1974 ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS

LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.

2 115

1974 CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.

LAPEDES, D. E. / MELTZER, J.

2 118

1974 STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES

PENNER, S. S. / ICERMAN, L.

5 248

1975 ENERGY-STORAGE SYSTEMS

PROPULSION ALTERNATIVE

1973 KINETIC ENERGY STORAGE: A 'NEW' PROPULSION ALTERNATIVE FOR MASS TRANSPORTATION

LAWSON, L. J.

2 98

PROPULSION SYSTEM TRANSMISSION

1972 HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT

CORDNER, M. A. / GRIMM, D. H.

2 86

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

PROPULSION SYSTEMS

1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2	75
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J. F. /PERINI, L. L.	2	80
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L./BRANDT, A./GEORGE, J. F. /PERINI, L. L./RABENHORST, D. W. /SMALL, T. R./WEISS, R. O.	1	18
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. /PLUST, H. G.	2	111

PROPULSION UTILIZING RECONNECTIBLE

1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2	91
------	---	-------------	---	----

PROSPECTIVE HEAT

1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	160
------	--	-----	---	-----

PROSPECTS

1970	ACHIEVEMENTS AND PROSPECTS IN THE UTILIZATION OF KINETIC ENERGY	GROU, S. I.	3	146
1974	ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT	KALHAMMER, F.	3	174

PROTECTION

1972	DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)	BONNET-THIRION, C. J./ROBIDA, L. /FOLDES, G.	1	21
------	---	--	---	----

PROTECTIVE DEVICE

1972	DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)	BONNET-THIRION, C. J./ROBIDA, L. /FOLDES, G.	1	21
------	---	--	---	----

PROTECTIVE DEVICES

1972	DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)	BONNET-THIRION, C. J./ROBIDA, L. /FOLDES, G.	1	21
------	---	--	---	----

PROTOTYPE GEARBOX FLYWHEEL

1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3	143
------	--	---------------	---	-----

PUBLIC SERVICE ELECTRIC AND GAS CO.

1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3	191
1976	ENERGY STORAGE	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3	208
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3	209

PUBLIC UTILITIES

1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

PUGET SOUND POWER AND LIGHT CO.			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
PUMP FLYWHEEL INTEGRITY			
1975	REACTOR COOLANT PUMP FLYWHEEL INTEGRITY	NUCLEAR REGULATORY COMM.	3 196
PUMP SYSTEMS			
1968	EMERGENCY PUMP SYSTEMS ARE BOOTSTRAPS TO POWER	PRODUCT ENG.	3 141
PUMPED HYDRO			
1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3 191
PUMPED HYDROELECTRIC			
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.	5 252
PUMPED STORAGE			
1974	ENERGY STORAGE. (1): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3 165
1974	CAN FLYWHEELS REPLACE PUMPED STORAGE?	GINSBURG, T.	3 169
1974	ENERGY STORAGE TECHNOLOGY	VANDERRYN, J.	3 171
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3 172
1974	STORAGE OF HIGH-GRADE ENERGY	MCALLAN, J. V.	5 245
1974	ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT	KALHAMMER, F.	3 174
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3 177
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5 248
1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3 181
1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	ZLOTNICK, M.	3 190
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3 199
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3 205
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.	5 252
PUMPED-HYDRAULIC			
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5 248
PUMPS			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2. RO INSPECTION REPORT NO. 75-01 AND CORRESPONDENCE	METROPOLITAN EDISON CO.	3 182
1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2. LICENSE APPLICATION, FSAR, AMENDMENT 27	METROPOLITAN EDISON CO.	2 127
1975	REACTOR COOLANT PUMP FLYWHEEL INTEGRITY	NUCLEAR REGULATORY COMM.	3 196
QUALIFICATION TESTS			
1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G.	4 225
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4 234
QUARTERLY PROGRESS REPORT			
1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J. C. / FRAZER, R. / RUBINSTEIN, N.	5 241
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6 364

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

QUARTERLY REPORT

1976 ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6 375
1976 ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6 381

R-32 CARS

1976 FLYWHEELS: ENERGY-SAVING WAY TO GO	ENVIRONMENTAL SCIENCE AND TECHNOLOGY	2 137
---	--------------------------------------	-------

RABENHORST, D. W.

1969 PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL	RABENHORST, D. W.	2 68
1970 NEW CONCEPTS IN MECHANICAL ENERGY STORAGE	RABENHORST, D. W.	1 12
1970 PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL	RABENHORST, D. W.	1 14
1971 POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2 81
1971 MATERIAL REQUIREMENTS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	1 17
1972 HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES.FINAL REPORT	DUGGER, G. L./BRANDT,A./GEORGE,J.F. /PERINI,L.L./RABENHORST, D. W. /SMALL,T.R./WEISS,R.O.	1 18
1972 THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE	RABENHORST, D. W.	1 19
1973 SUPERFLYWHEEL	RABENHORST, D. W.	3 153
1973 DESIGN CONSIDERATIONS FOR A 100-MEGAJOULE/500-MEGAWATT SUPERFLYWHEEL	RABENHORST, D. W. / TAYLOR, R. J.	1 26
1973 SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3 157
1974 TECHNICAL PROGRAM PLAN FOR SUPERFLYWHEEL DEVELOPMENT	RABENHORST, D. W.	1 27
1974 METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2 112
1974 MULTIRIM SUPERFLYWHEEL.TECHNICAL MEMO	RABENHORST, D. W.	1 33
1974 USE OF FLYWHEELS FOR ENERGY STORAGE	RABENHORST, D. W.	3 175
1975 METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	1 43
1975 SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L.	3 188

RADIOISOTOPE BATTERIES

1969 STUDY OF UNCONVENTIONAL THERMAL,MECHANICAL,AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS,J.A./CHEANEY,E.S./CRESWICK,F. A./TRAYSER,D.A./FISCHER,R.D. /TIMBERLAKE,A.B./BASHAM,S.J. /HERRIDGE,J.T. /WILCOX, J. P.	2 69
1969 STUDY OF UNCONVENTIONAL THERMAL,MECHANICAL,AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70

RADIOISOTOPE HEAT SOURCES

1969 STUDY OF UNCONVENTIONAL THERMAL,MECHANICAL,AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS,J.A./CHEANEY,E.S./CRESWICK,F. A./TRAYSER,D.A./FISCHER,R.D. /TIMBERLAKE,A.B./BASHAM,S.J. /HERRIDGE,J.T. /WILCOX, J. P.	2 69
1969 STUDY OF UNCONVENTIONAL THERMAL,MECHANICAL,AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70

RAIL RAPID TRANSIT

1964 ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT	MARLOWE, E. W.	2 61
--	----------------	------

RAIL TRANSIT CONFERENCE

1974 ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2 116
---	------------------------	-------

RAILWAY GAZETTE INTERNATIONAL

1975 NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	RAILWAY GAZETTE INTERNATIONAL	2 123
--	-------------------------------	-------

RANDOM VIBRATION

1969 A RANDOM WALK MODEL IN RANDOM VIBRATION	TOLAND, R. H. / YANG, C. Y.	6 275
1972 NON-STATIONARY RANDOM VIBRATION OF NONLINEAR STRUCTURES	TOLAND, R. H./ YANG, C. Y./ HSU, C. S.	6 303

RANDOM WALK MODEL

1969 A RANDOM WALK MODEL IN RANDOM VIBRATION	TOLAND, R. H. / YANG, C. Y.	6 275
1971 A RANDOM WALK MODEL FOR FIRST-PASSAGE PROBABILITY	TOLAND, R. H. / YANG, C. Y.	6 289

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

RANDOMLY ORIENTED FIBRE			
1972	EFFECTIVE STIFFNESS OF RANDOMLY ORIENTED FIBRE COMPOSITES	CHRISTENSEN, R. M. / WAALS, F. M.	6 292
RANDOMLY ORIENTED FIBERS			
1976	THE EFFECTIVE MODULI OF COMPOSITES CONTAINING RANDOMLY ORIENTED FIBERS.	CHRISTENSEN, R. M.	6 369
RANKINE CYCLE			
1972	LOW PEAK TEMPERATURES AND HYDRODYNAMIC BEARINGS - KEY TO LONG LIFE ORGANIC RANKINE CYCLE SYSTEMS	BORETZ, J. E.	3 150
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5 250
RANKINE CYCLE ENGINES			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. BATTELLE COLUMBUS LABS.	2 69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES		2 70
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2 75
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2 115
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2 119
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124
RAPID TRANSIT SYSTEMS			
1964	ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT	MARLOWE, E. W.	2 81
1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2 86
RATE EFFECT			
1971	STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/EPOXY STRANDS	CHIAO, T. T. / MOORE, R. L.	6 285
REACTION FLYWHEELS			
1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G.	4 225
REACTOR COMPONENTS			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
REACTOR COOLANT PUMP			
1975	REACTOR COOLANT PUMP FLYWHEEL INTEGRITY	NUCLEAR REGULATORY COMM.	3 196
REACTOR COOLING SYSTEMS			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2. LICENSE APPLICATION, FSAR, AMENDMENT 27	METROPOLITAN EDISON CO.	2 127
REACTOR CORES			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

REACTOR INTERNALS			
1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2, RO INSPECTION REPORT NO. 75-01 AND CORRESPONDENCE	METROPOLITAN EDISON CO.	3 182
REAM, L. W.			
1972	SUMMARY OF GAS BEARING APPLICATIONS IN THE FIELD OF SPACE ELECTRIC POWER SYSTEMS	DUNN, J. H. / REAM, L. W.	4 223
RECONNECTIBLE MOTOR WINDINGS			
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2 91
RECTIFIERS			
1981	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4 210
1975	PROPOSED TFTR ELECTRICAL SYSTEM	BRONNER, G. / MURRAY, J.	3 200
RECYCLING HAZARDS			
1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5 243
REED, J. J.			
1978	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3 207
REFRACTORIES			
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5 250
REGENERATIVE BRAKING			
1987	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2 88
1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C.	2 92
1973	HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL TIME TRANSPORTATION	LINDSLEY, E. F.	2 97
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2 108
1974	A FLYWHEEL IN YOUR FUTURE	NEWSWEEK	2 109
1974	IMPROVED REGENERATIVE BRAKING SYSTEM	HYNE, A. / ZUCKER, O.	2 121
1975	NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	RAILWAY GAZETTE INTERNATIONAL	2 123
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2 133
REGULATORY GUIDES			
1975	REACTOR COOLANT PUMP FLYWHEEL INTEGRITY	NUCLEAR REGULATORY COMM.	3 196
REIMERS, E.			
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2 91
1973	APPLICATION OF TWO-PHASE DC CHOPPER MOTOR DRIVE	REIMERS, E.	2 95
REINHOUDT, J. P.			
1970	A GREASE-LUBRICATED HYDRODYNAMIC BEARING SYSTEM FOR A SATELLITE FLYWHEEL	REINHOUDT, J. P.	4 218
RELAXATION FUNCTIONS			
1972	RESTRICTIONS UPON VISCOELASTIC RELAXATION FUNCTIONS AND COMPLEX MODULI.	CHRISTENSEN, R. M.	6 293

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

REPETITIVE PLASMA FOCUS

1975	REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ FLYWHEEL GENERATOR.	NARDI, V.	3	194
------	---	-----------	---	-----

REPLACE GASOLINE

1975	FLYWHEELS - FLYWHEEL IN AUTO TO REPLACE GASOLINE	MACHINE DESIGN	2	130
------	--	----------------	---	-----

REPLACE PUMPED STORAGE

1974	CAN FLYWHEELS REPLACE PUMPED STORAGE?	GINSBURG, T.	3	169
------	---------------------------------------	--------------	---	-----

REPORT

1967	MOMENTUM EXCHANGE ACQUISITION SYSTEM, FINAL REPORT	FISCHER, WM. A.	3	139
1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3	143
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2	75
1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J. C. / FRAZER, R. / RUBINSTEIN, N.	5	241
1971	FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION.FINAL REPORT	GILBERT, R. R./HARVEY, J.R./HEUER, G. E./LAWSON, L. J.	2	77
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M.A./GRIMM, D.H.	2	86
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES.FINAL REPORT	DUGGER, G. L./BRANDT, A./GEORGE, J.F. /PERINI, L.L./RABENHORST, D. W. /SMALL, T.R./WEISS, R.O.	1	18
1972	FLYWHEEL DRIVE SYSTEMS STUDY.FINAL REPORT	GILBERT, R. R./HEUER, G.E./JACOBSEN, E. H./KUHN, S.E.B./LAWSON, L. J./WADA, W. T.	2	87
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4	228
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2, RO INSPECTION REPORT NO.75-01 AND CORRESPONDENCE	METROPOLITAN EDISON CO.	3	182
1975	DESIGN AND DEVELOPMENT OF A MOMENTUM WHEEL WITH A MAINLY PASSIVE MAGNETIC BEARING FINAL REPORT	ESA	1	45
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192
1975	DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE FINAL REPORT	GORDON, H. S.	3	193
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S./ CLEMENTS, L. L. / CHIAO, C. C.	6	384
1976	FLYWHEELS, A REPORT BIBLIOGRAPHY	DEFENSE DOCUMENTATION CENTER	1	55
1976	ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6	375
1976	ORGANIC MATERIALS DIVISION QUARTERLY REPORT	LEPPER, J. K.	6	381
1976	ENERGY AND TECHNOLOGY REVIEW (MONTHLY PROGRESS REPORT 6/76)	SELLEN, R. W.	5	253

REQUIREMENTS FOR ENERGY

1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5	250
------	---	---------------	---	-----

REQUIREMENTS FOR FLYWHEEL

1963	DETERMINING INERTIA AND TIME REQUIREMENTS FOR FLYWHEEL MACHINES	SPOTTS, M. F.	1	1
------	---	---------------	---	---

RESEARCH

1970	POWER-SYSTEMS RESEARCH SHIFTS TO MEET SOCIAL GOALS	CHEM. ENG.	3	147
1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J. C. / FRAZER, R. / RUBINSTEIN, N.	5	241
1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3	158

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

RESEARCH (CONTD.)

1974	NEW MOMENTUM FOR NUCLEAR FUSION. IN THE MAX-PLANCK-INSTITUT IN MUENCHEN, A NEW PHASE OF PLASMA RESEARCH HAS BEGUN	BRUNS, K.	3	161
1974	ACOUSTIC EMISSION USES IN RESEARCH AND DEVELOPMENT OF COMPOSITE MATERIALS	HAMSTAD, M. A.	6	346
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192
1976	RESEARCH LEADING TO THE PRODUCTION AND EARLY USE OF NUMERIC DATA BANKS OF MATERIAL PROPERTIES AND SYSTEM ANALYSES	HENRY, E. A.	1	56

RESEARCH AND DEVELOPMENT

1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J. C. / FRAZER, R. / RUBINSTEIN, N.	5	241
1974	ACOUSTIC EMISSION USES IN RESEARCH AND DEVELOPMENT OF COMPOSITE MATERIALS	HAMSTAD, M. A.	6	346

RESEARCH PROGRAMS

1971	RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J. C. / FRAZER, R. / RUBINSTEIN, N.	5	241
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2	83
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5	244
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
1974	ELECTRIC POWER SYSTEMS	ERDA	3	179
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZTRICK, P. A.	5	247
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3	187
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6	364
1975	LLL PROGRAM FOR COMPOSITE FLYWHEEL	CHIAO, T. T. / STONE, R. G.	3	203

RESEARCH PROGRESS

1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192
------	--	-------------------------------	---	-----

RESEARCH PROGRESS REPORT

1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192
------	--	-------------------------------	---	-----

RESILIENCE

1968	CAPTURED LOAD RESILIENCE OF A HYDRAULIC VIBRATOR SAVES POWER	LANKESTER, J. A.	1	9
------	--	------------------	---	---

RESIN SYSTEM

1973	FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN SYSTEM	CHIAO, T. T. / HAMSTAD, M. A. / MARCON, M. A. / HANAFEE, JR.	6	323
------	---	--	---	-----

RESINS

1971	STUDY OF EPOXY RESINS FOR FIBER COMPOSITES	RICHARDSON, J. / MOORE, R. L. / CHIAO, T. T.	6	288
1975	CHARACTERIZATION PROCEDURE FOR THERMOSETTING RESINS	PENN, L. S. / NEWHEY, H.	6	363
1975	EPOXY RESINS FOR FLYWHEEL APPLICATIONS.	RINDE, J. A.	1	48

RESINS FOR FLYWHEEL

1975	EPOXY RESINS FOR FLYWHEEL APPLICATIONS.	RINDE, J. A.	1	48
------	---	--------------	---	----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

RESOURCES

1974	ENERGY VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5	243
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3	209

RESPONSE

1964	THE DYNAMIC RESPONSE OF A SOLID, VISCOELASTIC SPHERE TO TRANSLATIONAL AND ROTATIONAL EXCITATION.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6	257
1965	RESPONSE TO PRESSURIZATION OF A VISCOELASTIC CYLINDER WITH AN ERODING INTERNAL BOUNDARY.	CHRISTENSEN, R. M. / SCHREINER, R. N.	1	5
1966	PREDICTION OF THE TRANSIENT RESPONSE OF A LINEAR VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6	260
1975	STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS.	LARDER, R. A.	6	349

RESPONSE OF FIBROUS

1975	STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS.	LARDER, R. A.	6	349
------	---	---------------	---	-----

RESPONSE TO PRESSURIZATION

1965	RESPONSE TO PRESSURIZATION OF A VISCOELASTIC CYLINDER WITH AN ERODING INTERNAL BOUNDARY.	CHRISTENSEN, R. M. / SCHREINER, R. N.	1	5
------	--	---------------------------------------	---	---

RESTRAINTS

1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2. RO INSPECTION REPORT NO. 75-01 AND CORRESPONDENCE	METROPOLITAN EDISON CO.	3	182
------	--	-------------------------	---	-----

RESTRICTIONS UPON VISCOELASTIC

1972	RESTRICTIONS UPON VISCOELASTIC RELAXATION FUNCTIONS AND COMPLEX MODULI.	CHRISTENSEN, R. M.	6	293
------	---	--------------------	---	-----

RETENTION OF ROTATING

1972	CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING DISKS AND FLYWHEELS	KRITZER, R.	1	20
------	--	-------------	---	----

REUTER, R. C.

1965	CRACK EXTENSION IN FIBERGLASS-REINFORCED PLASTICS	WU, E. M. / REUTER, R. C.	6	259
------	---	---------------------------	---	-----

REUTER, R. C. JR.

1974	THERMAL STRESSES IN COMPOSITE FLYWHEELS	REUTER, R. C. JR.	1	28
------	---	-------------------	---	----

REVIEW

1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2	103
1974	ENERGY STORAGE TECHNOLOGY	VANDERRYN, J.	3	171
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
1976	ENERGY AND TECHNOLOGY REVIEW (MONTHLY PROGRESS REPORT 6/76)	SELDEN, R. W.	5	253
1976	FLYWHEELS: ENERGY-SAVING WAY TO GO	ENVIRONMENTAL SCIENCE AND TECHNOLOGY	2	137

REVIEWS

1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2	70
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2	75
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS--SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	160

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

REVIEWS (CONTD.)		
1974	STORAGE OF HIGH-GRADE ENERGY	MCALLAN, J. V. 5 245
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L. 5 248
REVIEWS BATTERIES		
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G. 2 111
REVOLUTION		
1973	REVOLUTION IN FLYWHEELS	DANN, R. T. 1 23
REVOLUTION IN		
1973	REVOLUTION IN FLYWHEELS	DANN, R. T. 1 23
REVOLUTION IN FLYWHEELS		
1973	REVOLUTION IN FLYWHEELS	DANN, R. T. 1 23
RICCI, L. J.		
1975	UTILITIES EYE LARGE-SCALE ENERGY STORAGE	RICCI, L. J. 3 184
RICHARDSON, J.		
1971	STUDY OF EPOXY RESINS FOR FIBER COMPOSITES	RICHARDSON, J. / MOORE, R. L. / CHIAO, T. T. 6 288
RIGHT TRIANGLE CANTILEVER		
1963	VIBRATION OF A 45-DEG. RIGHT TRIANGLE CANTILEVER PLATE BY A GRIDWORK METHOD.	CHRISTENSEN, R. M. 6 255
RIGID BODY		
1968	FLYWHEEL STABILIZATION OF A RIGID BODY SUBJECTED TO CONSTANTLY APPLIED PERTURBATIONS	DERGACHEVA, E. I. 3 140
RINDE, J. A.		
1975	EPOXY RESINS FOR FLYWHEEL APPLICATIONS.	RINDE, J. A. 1 48
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C. 6 364
1976	COMPOSITE FIBER FLYWHEEL FOR ENERGY STORAGE	RINDE, J. A. 1 59
RINGS		
1974	THE LUBRICATION OF BEARINGS AND SLIP RINGS IN VACUUM	ODONNELL, P. J. / HARRIS, L. C. / WARWICK, M. G. 1 38
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A. 1 53
ROAD VEHICLE		
1971	ELECTRIC ROAD VEHICLE	CALVERT, W. L. 2 84
ROAD VEHICLES		
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G. 2 111
ROBIDA, L.		
1972	DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)	BONNET-THIRION, C. J. / ROBIDA, L. / FOLDES, G. 1 21

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ROBINSON, E. Y.		
1972 ANALYSIS OF STRESS-RUPTURE DATA FROM S-GLASS COMPOSITES	ROBINSON, E. Y./CHIAO, T. T.	6 298
ROBINSON, A. L.		
1974 ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3 165
1974 ENERGY STORAGE. (II): DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A. L.	3 166
ROCKWELL INTERNATIONAL, SPACE DIV.		
1974 INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4 231
1975 ECONOMIC AND TECHNICAL FEASIBILITY STUDY FOR ENERGY STORAGE FLYWHEELS	ROCKWELL INTERNATIONAL, SPACE DIV.	3 201
ROES, J. B.		
1961 AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4 210
ROLE IN ELECTRIC		
1974 ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3 172
ROLE OF STORAGE		
1975 AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3 199
ROOM TEMPERATURE-CURABLE EPOXY		
1974 A ROOM TEMPERATURE-CURABLE EPOXY FOR ADVANCED FIBER COMPOSITES	CHIAO, T. T./MOORE, R. L.	6 335
ROSEL LABS.		
1974 INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W./MORASH, R. T./BARBER, R. J.	3 159
ROTARY DRIVE		
1970 FINAL DESIGN REPORT. PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3 143
ROTARY ENGINES		
1975 AUTOMOBILE AIR POLLUTION. PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124
ROTARY MOTION		
1975 ACTIVE STABILIZATION OF THE ROTARY MOTION OF A SOLID BODY	SAKIAN, L. S.	1 41
ROTATABLE MASS		
1975 AN IMPROVED ROTATABLE MASS FOR A FLYWHEEL	WEYLER, GEORGE M. JR. PATENT APPLICATION 14 NOV 1975	1 51
ROTATING DISKS		
1972 CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING DISKS AND FLYWHEELS	KRITZER, R.	1 20
1975 ON OPTIMAL SHAPES FOR ANISOTROPIC ROTATING DISKS.	GERSTLE, F. P. / BIGGS, F.	1 47
ROTATION		
1973 SUPERFLYWHEEL	RABENHORST, D. W.	3 153
1974 GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES	GULIA, N. V. ET AL	2 105
1974 ULTRAHIGH TEMPERATURE	RYLANDER, H. G./WOODSON, H. H./BECKER, E. B./ROWBERG, R.	3 163

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

ROTATIONAL EXCITATION

1964 THE DYNAMIC RESPONSE OF A SOLID, VISCOELASTIC SPHERE TO TRANSLATIONAL AND ROTATIONAL EXCITATION. CHRISTENSEN, R. M. / GOTTENBERG, W. G. 6 257

ROTOR

1970 MODIFICATION OF DC MOTOR WITH MAGNETICALLY SUSPENDED ROTOR CAMBRIDGE THERMIONIC CORP., MASS. 1 11

ROWBERG, R.

1974 ULTRAHIGH TEMPERATURE RYLANDER, H. G. / WOODSON, H. H. / BECKER, E. B. / ROWBERG, R. 3 183

ROWBERG, R. E.

1973 INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H. 3 156

RUBINSTEIN, N.

1971 RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971 NOYES, C. F. / WALKER, R. E. / PIRKLE, J. C. / FRAZER, R. / RUBINSTEIN, N. 5 241

RUHMANN, D. C.

1971 THE EFFECT OF SOLVENTS AND STRESS ON THE STRESS RUPTURE LIFE OF EPOXY-GLASS COMPOSITES RUHMANN, D. C. / WU, E. M. 6 283
1973 THE EFFECT OF STRESS ON DIFFUSION IN COMPOSITES - EXPERIMENTAL OBSERVATIONS. RUHMANN, D. C. / WU, E. M. 6 315
1974 STRESS RUPTURE OF GLASS/EPOXY COMPOSITES - ENVIRONMENT AND STRESS EFFECTS. WU, E. M. / RUHMANN, D. C. 6 332

RUIZ, M. L.

1975 DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION. CORMACK, A. / NOTTI, J. E. / RUIZ, M. L. 4 239

RUN UP FLYWHEEL

1959 COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION. FRUKTOW, N. N. 2 60

RUNS

1965 TRANSFER LINE FOR SHORT RUNS AM. MACH. 2 63

RUPTURE

1971 THE EFFECT OF SOLVENTS AND STRESS ON THE STRESS RUPTURE LIFE OF EPOXY-GLASS COMPOSITES RUHMANN, D. C. / WU, E. M. 6 283
1972 STRESS RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS: TIME - BREAK-DATA. CHIAO, T. T. / MOORE, R. L. 6 300
1972 DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE) BONNET-THIRION, C. J. / ROBIDA, L. / FOLDES, G. 1 21
1974 STRESS RUPTURE OF GLASS/EPOXY COMPOSITES - ENVIRONMENT AND STRESS EFFECTS. WU, E. M. / RUHMANN, D. C. 6 332

RUPTURE LIFE

1971 THE EFFECT OF SOLVENTS AND STRESS ON THE STRESS RUPTURE LIFE OF EPOXY-GLASS COMPOSITES RUHMANN, D. C. / WU, E. M. 6 283

RUPTURE OF FLYWHEELS

1972 DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE) BONNET-THIRION, C. J. / ROBIDA, L. / FOLDES, G. 1 21

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

RUPTURE OF GLASS/EPOXY			
1974	STRESS RUPTURE OF GLASS/EPOXY COMPOSITES - ENVIRONMENT AND STRESS EFFECTS.	WU, E. M. / RUHMANN, D. C.	6 332
RUPTURE OF S-GLASS/EPOXY			
1972	STRESS RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS: TIME - BREAK-DATA.	CHIAO, T. T./MOORE, R. L.	6 300
RUPTURED			
1972	DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)	BONNET-THIRION, C.J./ROBIDA, L. /FOLDES, G.	1 21
RUPTURES			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
1975	LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C.	6 366
RUTH, R.			
1972	HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4 226
RYLANDER, H.G.			
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H.G./ROWBERG, R.E./TOLK, K.M. /WELDON, W.F./WOODSON, H.H.	3 156
1974	ULTRAHIGH TEMPERATURE	RYLANDER, H.G./WOODSON, H.H./BECKER, E. B./ROWBERG, R.	3 163
S-GLASS COMPOSITES			
1972	ANALYSIS OF STRESS-RUPTURE DATA FROM S-GLASS COMPOSITES	ROBINSON, E. Y./CHIAO, T. T.	6 298
S-GLASS FIBER			
1972	STRENGTH OF S-GLASS FIBER	CHIAO, T. T./MOORE, R. L.	6 299
S-GLASS/EPOXY COMPOSITES			
1972	STRENGTH RETENTION OF S-GLASS/EPOXY COMPOSITES	CHIAO, T. T./MOORE, R. L.	6 295
1972	STRESS-RUPTURE OF SIMPLE S-GLASS/EPOXY COMPOSITES	CHIAO, T. T./LEPPER, J. K./HETHERINGTON, N.W./MOORE, R. L.	6 302
1972	FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL LOADING	CHIAO, T. T./COMMINS, A.D.	6 308
S-GLASS/EPOXY MULTIFILAMENT STRANDS			
1971	STRESS-RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS	CHIAO, T. T./MOORE, R. L.	6 284
1972	STRESS RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS: TIME - BREAK-DATA.	CHIAO, T. T./MOORE, R. L.	6 300
SAKIAN, L. S.			
1975	ACTIVE STABILIZATION OF THE ROTARY MOTION OF A SOLID BODY	SAKIAN, L. S.	1 41
SABNIS, A. V.			
1975	MAGNETICALLY SUSPENDED LARGE MOMENTUM WHEEL	SABNIS, A. V. / DENDY, J. B. / SCHMITT, F. M.	4 238
SAFETY			
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2 82

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SAFETY (CONTD.)

1972	THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE	RABENHORST, D. W.	1	19
1972	CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING DISKS AND FLYWHEELS	KRITZER, R.	1	20
1972	FLYWHEEL DRIVE SYSTEMS STUDY.FINAL REPORT	GILBERT, R. R./HEUER,G.E./JACOBSEN, E. H./KUHN, E.B./LAWSON, L. J./WADA, W. T.	2	87
1972	DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)	BONNET-THIRION, C.J./ROBIDA, L. /FOLDES, G.	1	21
1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3	157
1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW)SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2	103
1975	HYBRID VEHICLES	VIVIAN, H. C.	2	131

SAFETY ENGINEERING

1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW)SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2	103
------	---	------------------------------	---	-----

SAFETY REVIEW

1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW)SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2	103
------	---	------------------------------	---	-----

SALTS

1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5	242
------	--	---------------	---	-----

SALZANO, F. J.

1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3	205
------	---	---	---	-----

SAN FRANCISCO BUS

1972	APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J.	2	89
------	---	---------------	---	----

SAN FRANCISCO MUNI

1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2	116
------	--	------------------------	---	-----

SANDIA LABS.

1974	THERMAL STRESSES IN COMPOSITE FLYWHEELS	REUTER, R. C. JR.	1	28
1974	FLYWHEEL ENERGY SYSTEMS	BIGGS, F.	1	37

SANFORD, R. J.

1971	FRACTURE TOUGHNESS IN UNIDIRECTIONAL GLASS-REINFORCED PLASTICS	SANFORD, R. J. / STONESIFER, F. R.	6	287
------	--	------------------------------------	---	-----

SATELLITE

1970	A GREASE-LUBRICATED HYDRODYNAMIC BEARING SYSTEM FOR A SATELLITE FLYWHEEL	REINHOUDT, J. P.	4	218
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / GOWARD, C. D. / KING, A. H. / MORTON D. F.	4	219
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / SWAIN, J.	4	221
1972	DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE TRUSS	BURNS, J. M./ TOLAND, R. H.	6	304
1973	DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR ARRAYS	PFEIFFER, F./POHL, A.	4	227
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4	234
1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHN, F. J.	4	237

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SATELLITE FLYWHEEL

1970	A GREASE-LUBRICATED HYDRODYNAMIC BEARING SYSTEM FOR A SATELLITE FLYWHEEL	REINHOUDT, J. P.	4	218
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / GOWARD, C. D. / KING, A. H. / MORTON D. F.	4	219
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / SWAIN, J.	4	221

SATELLITE TRUSS

1972	DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE TRUSS	BURNS, J. M. / TOLAND, R. H.	6	304
------	---	------------------------------	---	-----

SATELLITES

1970	A NEW TECHNICAL IDEA ON FLYWHEELS {NOUVELLE CONCEPTION TECHNIQUE DES VOLANTS D'INERTIE}	POUBEAU, P.	4	220
1971	THE DRALLRAD: A FLYWHEEL FOR THE STABILIZATION OF SYNCHRONOUS SATELLITES	WEHDE, HEINZ	4	222
1973	DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR ARRAYS	PFEIFFER, F. / POHL, A.	4	227

SAVES POWER

1968	CAPTURED LOAD RESILIENCE OF A HYDRAULIC VIBRATOR SAVES POWER	LANKESTER, J. A.	1	9
------	--	------------------	---	---

SCHLUETER, W.

1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A. / KOTTMAYER, M. / SCHLUETER, W. / VAU, G.	3	173
------	--	--	---	-----

SCHMILL, W. C.

1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4	231
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 2: CONCEPTUAL DESIGNS	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.	4	232

SCHMITT, F. M.

1975	MAGNETICALLY SUSPENDED LARGE MOMENTUM WHEEL	SABNIS, A. V. / DENDY, J. B. / SCHMITT, F. M.	4	238
------	---	---	---	-----

SCHNEIDER, T. R.

1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3	176
1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3	191
1976	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5	251
1976	ENERGY STORAGE	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3	208
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3	209

SCHRECK, H.

1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2	110
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H. / TORRES, F.	2	117
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2	133

SCHREINER, R. N.

1965	RESPONSE TO PRESSURIZATION OF A VISCOELASTIC CYLINDER WITH AN ERODING INTERNAL BOUNDARY.	CHRISTENSEN, R. M. / SCHREINER, R. N.	1	5
------	--	---------------------------------------	---	---

SCHROEDER, J.

1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5	242
------	--	---------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SCHUEBLEIN, J. K.			
1974	LAMINATE STRENGTH - A DIRECT CHARACTERIZATION PROCEDURE	WU, E. M. / SCHUEBLEIN, J. K.	6 330
SCHULZ, HANS HOLGER			
1973	ENVIRONMENTAL TESTS ON DRALLRAD DR 20-6-ZKM	SCHULZ, HANS HOLGER	4 229
SCI RES INST FOR MECH, MOSCOW UNIV, USSR			
1975	ESTIMATING THE VELOCITIES OF THE CONTROL FLYWHEELS OF A FREE GYROSTAT	LITVIN-SEDOV, M. Z.	1 39
SCREENING OF EPOXY			
1975	SCREENING OF EPOXY SYSTEMS FOR HIGH-PERFORMANCE FILAMENT WINDING APPLICATIONS	CHIAO, T. T./ JESSOP, E. S./PENN, L. S.	6 355
SCRUBBERS			
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
SEAS			
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRICK,P.A.	5 247
SECONDARY POWER SYSTEMS			
1989	WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4 217
SEISMIC EFFECTS			
1975	SKAGIT NUCLEAR POWER PROJECT,UNITS 1 AND 2.LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
SELDEN, R. W.			
1976	ENERGY AND TECHNOLOGY REVIEW (MONTHLY PROGRESS REPORT 6/76)	SELDEN, R. W.	5 253
SELECTED BIBLIOGRAPHY			
1974	FLYWHEELS AS AN ENERGY STORAGE DEVICE, A SELECTED BIBLIOGRAPHY	LLL	1 30
1976	FLYWHEELS, A SELECTED BIBLIOGRAPHY	MADDEN, W. E.	1 56
SEMICONDUCTOR MATERIALS			
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2 83
SENSE			
1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3 205
SEPARATION PROBLEM			
1973	ANGULAR MOMENTUM AND THE AIRCRAFT-STORE SEPARATION PROBLEM	DANIELS, P./ CLARE, T. A.	1 24
SETS			
1974	NO-BREAK SETS	MOODY, R. L.	3 167
SEVERAL EPOXY MATRICES			
1975	PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER IN SEVERAL EPOXY MATRICES	CHIAO, T. T./ JESSOP, E. S./HAMSTAD, M. A.	6 357

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SEVERAL FLYWHEELS			
1974	ITERATIVE PROCEDURES FOR CALCULATING THE FIRST TORSIONAL EIGENFREQUENCY OF A SHAFT WITH SEVERAL FLYWHEELS	ATZORI, B. / CURTI, G.	1 31
SHAFT			
1974	ITERATIVE PROCEDURES FOR CALCULATING THE FIRST TORSIONAL EIGENFREQUENCY OF A SHAFT WITH SEVERAL FLYWHEELS	ATZORI, B. / CURTI, G.	1 31
SHALE OIL			
1974	ENERGY VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5 243
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2 119
SHAPES FOR ANISOTROPIC			
1975	ON OPTIMAL SHAPES FOR ANISOTROPIC ROTATING DISKS.	GERSTLE, F. P. / BIGGS, F.	1 47
SHAPES OF FLYWHEELS			
1975	ON OPTIMAL SHAPES FOR ANISOTROPIC ROTATING DISKS.	GERSTLE, F. P. / BIGGS, F.	1 47
SHEAR			
1964	AN EXPERIMENT FOR DETERMINATION OF THE MECHANICAL PROPERTY IN SHEAR FOR A LINEAR ISOTROPIC VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 256
1965	A FRACTURE CRITERION FOR ORTHOTROPIC PLATES UNDER THE INFLUENCE OF COMPRESSION AND SHEAR	WU, E. M.	6 258
1971	FRACTURE CRITERIA FOR ORTHOTROPIC PLATE UNDER COMPRESSION AND SHEAR	WU, E. M.	6 281
1975	EVALUATION OF INTERLAMINAR SHEAR TEST FOR FIBER COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6 350
SHEAR LOADING			
1973	FILAMENT-WOUND VESSEL FROM AN ORGANIC FIBER/EPOXY SYSTEM	CHIAO, T. T. / MARCON, M. A.	6 317
SHEAR TEST			
1975	EVALUATION OF INTERLAMINAR SHEAR TEST FOR FIBER COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6 350
SHERRY, R. J.			
1975	STRENGTH RETENTION AND LIFE OF FIBER COMPOSITE MATERIALS	CHIAO, T. T. / SHERRY, R. J.	6 361
SHIPBOARD CATAPULT			
1970	FINAL DESIGN REPORT. PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3 143
SHIPBOARD STORED ENERGY			
1966	SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT FLYWHEEL PACKAGE	NAVAL ORDNANCE STATION, FOREST PARK, ILL.	2 64
SHIPS			
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRICK, P. A.	5 247
SHIRAEV, M. P.			
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A.	1 29
SHORT-TERM FAILURE			
1974	NO-BREAK SETS	MOODY, R. L.	3 167

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SILICONE DAMPER			
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A.	1 29
SILICONES			
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A.	1 29
SILVER, A.			
1970	APPLICATION OF AIR BEARINGS TO HIGH SPEED TURBOMACHINERY	BARNETT, M. A. / SILVER, A.	1 13
SIMPLE S-GLASS/EPOXY COMPOSITES			
1972	STRESS-RUPTURE OF SIMPLE S-GLASS/EPOXY COMPOSITES	CHIAO, T. T. / LEPPER, J. K. / HETHERINGTON, N.W./MOORE, R. L.	6 302
SIMPSON, L. A.			
1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3 198
SIMULATION			
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2 82
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M.A. / GRIMM, D.H.	2 86
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D.E. / MELTZER, J.	2 118
1975	STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS.	LARDER, R. A.	6 349
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2 128
1975	IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING	AALAND, K. / LANE, J. E.	2 132
SINGLE FILAMENTS			
1975	STRENGTH DISTRIBUTION OF SINGLE FILAMENTS	LARDER, R. A. / BEADLE, C. W.	6 359
SITE SELECTION			
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O.W. / MORASH, R.T. / BARBER, R. J.	3 159
SKAGIT NUCLEAR POWER			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
SKAGIT-1 REACTOR			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
SKAGIT-2 REACTOR			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
SLIP RINGS			
1974	THE LUBRICATION OF BEARINGS AND SLIP RINGS IN VACUUM	ODONNELL, P. J. / HARRIS, L. C. / WARWICK, M. G.	1 38
SMALL POWER SYSTEMS			
1971	OPERATING LARGE EXCAVATORS ON SMALL POWER SYSTEMS	KILGORE, L. A. / WASHBURN, D. C.	3 148

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SMALL, T.R.			
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES.FINAL REPORT	DUGGER, G. L./BRANDT, A./GEORGE, J.F. /PERINI, L.L./RABENHORST, D. W. /SMALL, T.R./WEISS, R.O.	1 18
SMALLEY, W.			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D.E./HINTON, M.G./MELTZER, J. /IURA, T./DYKEMA, O./FORREST, L./HAGEN, K./KETTLER, J./LAFRANCE, R./SMALLEY, W.	2 114
SNAP 50 REACTOR			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J.A./CHEANEY, E.S./CRESWICK, F. A./TRAYSER, D.A./FISCHER, R.D. /TIMBERLAKE, A.B./BASHAM, S.J. /HERRIDGE, J.T. /WILCOX, J. P.	2 69
SNAP 8 REACTOR			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J.A./CHEANEY, E.S./CRESWICK, F. A./TRAYSER, D.A./FISCHER, R.D. /TIMBERLAKE, A.B./BASHAM, S.J. /HERRIDGE, J.T. /WILCOX, J. P.	2 69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70
SNAP REACTORS			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70
SOCIAL GOALS			
1970	POWER-SYSTEMS RESEARCH SHIFTS TO MEET SOCIAL GOALS	CHEM. ENG.	3 147
SOLAR ARRAYS			
1973	DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR ARRAYS	PFEIFFER, F./POHL, A.	4 227
SOLAR CELL ARRAYS			
1973	DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR ARRAYS	PFEIFFER, F./POHL, A.	4 227
SOLAR ENERGY			
1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3 157
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O.W./MORASH, R.T./BARBER, R. J.	3 159
1974	ENERGY STORAGE.(II)::DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A.L.	3 166
1974	ENERGY STORAGE TECHNOLOGY	VANDERRYN, J.	3 171
1974	ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT	KALHAMMER, F.	3 174
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3 177
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZTRICK, P.A.	5 247
1975	WIND POWER	HERONEMUS, W.E.	5 249
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R.I.	5 250
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3 199
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3 204

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SOLAR ENERGY COLLECTION

- | | | | | |
|------|--|-----------|---|-----|
| 1976 | ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLV-
ING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL,
AND ELECTRIC POWER GENERATION. | TATRY, B. | 3 | 204 |
|------|--|-----------|---|-----|

SOLAR ENERGY CONVERSION

- | | | | | |
|------|--|-------------------|---|-----|
| 1973 | SUPERFLYWHEEL | RABENHORST, D. W. | 3 | 153 |
| 1974 | NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY | LUCCHINI, A. P. | 5 | 246 |

SOLAR ENERGY STORAGE

- | | | | | |
|------|--|-----------------|---|-----|
| 1975 | AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN
ELECTRIC POWER TECHNOLOGY | PEZDIRTZ, G. F. | 3 | 199 |
|------|--|-----------------|---|-----|

SOLAR POWER

- | | | | | |
|------|----------------|-------------------------------------|---|-----|
| 1976 | ENERGY STORAGE | KALHAMMER, F. R. / SCHNEIDER, T. R. | 6 | 251 |
|------|----------------|-------------------------------------|---|-----|

SOLAR POWER PLANTS

- | | | | | |
|------|---|------|---|-----|
| 1975 | DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY | EPRI | 3 | 187 |
|------|---|------|---|-----|

SOLAR SEA POWER PLANTS

- | | | | | |
|------|---|-----------------------------------|---|-----|
| 1975 | SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS | RABENHORST, D. W. / DUGGER, G. L. | 3 | 188 |
|------|---|-----------------------------------|---|-----|

SOLAR-ENERGY

- | | | | | |
|------|---|-----------------------------|---|-----|
| 1974 | ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND
POLICY | PENNER, S. S. / ICERMAN, L. | 5 | 243 |
|------|---|-----------------------------|---|-----|

SOLID

- | | | | | |
|------|---|---|---|-----|
| 1964 | AN EXPERIMENT FOR DETERMINATION OF THE MECHANICAL PROPERTY
IN SHEAR FOR A LINEAR ISOTROPIC VISCOELASTIC SOLID. | CHRISTENSEN, R. M. / GOTTENBERG, W.
G. | 6 | 256 |
| 1964 | THE DYNAMIC RESPONSE OF A SOLID, VISCOELASTIC SPHERE TO
TRANSLATIONAL AND ROTATIONAL EXCITATION. | CHRISTENSEN, R. M. / GOTTENBERG, W.
G. | 6 | 257 |
| 1966 | PREDICTION OF THE TRANSIENT RESPONSE OF A LINEAR
VISCOELASTIC SOLID. | CHRISTENSEN, R. M. / GOTTENBERG, W.
G. | 6 | 260 |
| 1975 | ACTIVE STABILIZATION OF THE ROTARY MOTION OF A SOLID BODY | SAKIAN, L. S. | 1 | 41 |

SOLID BODY

- | | | | | |
|------|---|---------------|---|----|
| 1975 | ACTIVE STABILIZATION OF THE ROTARY MOTION OF A SOLID BODY | SAKIAN, L. S. | 1 | 41 |
|------|---|---------------|---|----|

SOLIDS

- | | | | | |
|------|---|------------------------------------|---|-----|
| 1967 | LINEAR NON-ISOTHERMAL VISCOELASTIC SOLIDS | CHRISTENSEN, R. M. / NAGHDI, P. M. | 6 | 264 |
|------|---|------------------------------------|---|-----|

SOLUTIONS IN NONLINEAR

- | | | | | |
|------|--|--------------------|---|-----|
| 1968 | ON OBTAINING SOLUTIONS IN NONLINEAR VISCOELASTICITY. | CHRISTENSEN, R. M. | 6 | 266 |
|------|--|--------------------|---|-----|

SOLVENTS AND STRESS

- | | | | | |
|------|---|----------------------------|---|-----|
| 1971 | THE EFFECT OF SOLVENTS AND STRESS ON THE STRESS RUPTURE LIFE
OF EPOXY-GLASS COMPOSITES | RUHMANN, D. C. / WU, E. M. | 6 | 283 |
|------|---|----------------------------|---|-----|

SONNENSCHIN, F. J.

- | | | | | |
|------|--|----------------------------------|---|-----|
| 1975 | STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE
AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION
SATELLITE. | BOERSMA, G. / SONNENSCHIN, F. J. | 4 | 237 |
|------|--|----------------------------------|---|-----|

SOURCE

- | | | | | |
|------|---|--|---|----|
| 1964 | GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN
EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE | MATTHEWS, L. E. / EVERETT, W. D. /
BINDER, R. | 2 | 62 |
|------|---|--|---|----|

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SOURCES FOR URBAN

- | | | | | |
|------|---|---|---|----|
| 1989 | STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES | HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. BATTELLE COLUMBUS LABS. | 2 | 69 |
| 1989 | STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES | | 2 | 70 |

SOVIET FLYWHEELS

- | | | | | |
|------|------------------------------------|--------------------------------------|---|-----|
| 1976 | FLYWHEELS: ENERGY-SAVING WAY TO GO | ENVIRONMENTAL SCIENCE AND TECHNOLOGY | 2 | 137 |
|------|------------------------------------|--------------------------------------|---|-----|

SPACE APPLICATION

- | | | | | |
|------|---|-------------|---|-----|
| 1981 | AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION | ROES, J. B. | 4 | 210 |
|------|---|-------------|---|-----|

SPACE CRAFT

- | | | | | |
|------|--|-----------------------------|---|-----|
| 1974 | THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALED MOMENTUM WHEEL | TODD, M. J. / WILSON, N. G. | 4 | 234 |
| 1975 | DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) | NOTTI, J. E. / CORMACK, A. | 4 | 240 |

SPACE ELECTRIC POWER

- | | | | | |
|------|--|---------------------------|---|-----|
| 1972 | SUMMARY OF GAS BEARING APPLICATIONS IN THE FIELD OF SPACE ELECTRIC POWER SYSTEMS | DUNN, J. H. / REAM, L. W. | 4 | 223 |
|------|--|---------------------------|---|-----|

SPACE HEATING

- | | | | | |
|------|----------------|-------------------------------------|---|-----|
| 1976 | ENERGY STORAGE | KALHAMMER, F. R. / SCHNEIDER, T. R. | 5 | 251 |
|------|----------------|-------------------------------------|---|-----|

SPACE VEHICLES

- | | | | | |
|------|--|-------------------|---|----|
| 1971 | POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL | RABENHORST, D. W. | 2 | 81 |
|------|--|-------------------|---|----|

SPACE-BASED LASERS

- | | | | | |
|------|---|------------------------------|---|-----|
| 1975 | ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS | GILBERT, J. S. / KERN, E. A. | 3 | 183 |
|------|---|------------------------------|---|-----|

SPACECRAFT APPLICATION

- | | | | | |
|------|---|--|---|-----|
| 1975 | DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION. | CORMACK, A. / NOTTI, J. E. / RUIZ, M. L. | 4 | 239 |
|------|---|--|---|-----|

SPACECRAFT ENERGY

- | | | | | |
|------|---|--------------|---|-----|
| 1972 | APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY AND ANGULAR MOMENTUM STORAGE | ADAMS, L. R. | 4 | 224 |
|------|---|--------------|---|-----|

SPACECRAFT POWER SUPPLIES

- | | | | | |
|------|---|-------------------------|---|-----|
| 1981 | AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION | ROES, J. B. | 4 | 210 |
| 1973 | DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR ARRAYS | PFEIFFER, F. / POHL, A. | 4 | 227 |

SPACECRAFT POWER SUPPLY

- | | | | | |
|------|---|-------------|---|-----|
| 1981 | AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION | ROES, J. B. | 4 | 210 |
|------|---|-------------|---|-----|

SPARK IGNITION ENGINES

- | | | | | |
|------|---|--|---|-----|
| 1971 | FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES | DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L. | 2 | 80 |
| 1974 | EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE | ALLSUP, J. R. / FLEMING, R. D. | 2 | 102 |

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SPARK IGNITION ENGINES (CONTD.)

1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H./TORRES, F.	2	117
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDS,D.E./MELTZER,J.	2	118
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT,B./THUR,G.M.	2	119

SPECIAL THEORY

1973	A SPECIAL THEORY OF VISCOELASTIC FLUIDS FOR APPLICATION TO SUSPENSION.	CHRISTENSEN, R. M.	6	313
------	--	--------------------	---	-----

SPECIFICATIONS

1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4	210
1966	SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT FLYWHEEL PACKAGE	NAVAL ORDNANCE STATION, FOREST PARK, ILL.	2	84
1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3	170
1975	THREE MILE ISLAND NUCLEAR STATION,UNIT 2.LICENSE APPLICATION, FSAR,AMENDMENT 27	METROPOLITAN EDISON CO.	2	127

SPECIFICATIONS FOR SHIPBOARD

1966	SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT FLYWHEEL PACKAGE	NAVAL ORDNANCE STATION, FOREST PARK, ILL.	2	84
------	--	---	---	----

SPECIMEN FOR TENSILE

1975	ELONGATED-RING SPECIMEN FOR TENSILE PROPERTIES OF FILAMENT-WOUND COMPOSITES	CLEMENTS, L. L./ MOORE, R. L./CHIAO, T. T.	6	358
------	---	--	---	-----

SPECIMENS

1972	FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS	CHIAO, T. T./ CUMMINS, A. D./MOORE, R. L.	6	296
------	--	---	---	-----

SPHERICAL WEDGE

1966	DEFORMATION OF AN ELASTIC SPHERICAL WEDGE.	CHRISTENSEN, R. M.	1	6
1967	LARGE ELASTIC DEFORMATION OF A SPHERICAL WEDGE	CHRISTENSEN, R. M.	1	7

SPINNING DISK

1973	STORED ENERGY IN A SPINNING DISK COULD ALLEVIATE THE ENERGY CRISIS	PRODUCT ENGINEERING	2	99
------	--	---------------------	---	----

SPINNING FILAMENTARY DISK

1964	THE UNIFORM-STRESS SPINNING FILAMENTARY DISK	KYSER, A. C.	1	3
------	--	--------------	---	---

SPINS

1974	SUPERFLYWHEEL: THE BATTERY THAT SPINS	LAMPE, D.	1	38
------	---------------------------------------	-----------	---	----

SPIRAL GROOVE BEARING

1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4	230
------	--	------------------	---	-----

SPIRAL-GROOVE BEARINGS

1975	APPLICATION SPIRAL-GROOVE BEARINGS ON SPACECRAFT	VANDERWAL, U.	4	236
------	--	---------------	---	-----

SPIRAL-GROOVE BEARING

1975	APPLICATION SPIRAL-GROOVE BEARINGS ON SPACECRAFT	VANDERWAL, U.	4	236
------	--	---------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS

CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SPOTTS, M. F.			
1963	DETERMINING INERTIA AND TIME REQUIREMENTS FOR FLYWHEEL MACHINES	SPOTTS, M. F.	1 1
SPRINGS			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70
STABILIZATION			
1968	FLYWHEEL STABILIZATION OF A RIGID BODY SUBJECTED TO CONSTANTLY APPLIED PERTURBATIONS	DERGACHEVA, E. I.	3 140
1971	THE DRALLRAD: A FLYWHEEL FOR THE STABILIZATION OF SYNCHRONOUS SATELLITES	WEHDE, HEINZ	4 222
1975	ACTIVE STABILIZATION OF THE ROTARY MOTION OF A SOLID BODY	SAAKIAN, L. S.	1 41
STANDBY POWER			
1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP.	3 149
STANDBY POWER UNIT			
1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP.	3 149
STANDING, J. M.			
1974	A 1000 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1 34
1974	A 150 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M.	1 35
STATE-OF-THE-ART			
1974	ENERGY STORAGE TECHNOLOGY	VANDERRYN, J.	3 171
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3 207
1976	FLYWHEELS: ENERGY-SAVING WAY TO GO	ENVIRONMENTAL SCIENCE AND TECHNOLOGY	2 137
STATION			
1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2, RO INSPECTION REPORT NO. 75-01 AND CORRESPONDENCE	METROPOLITAN EDISON CO.	3 182
1975	THREE MILE ISLAND NUCLEAR STATION, UNIT 2, LICENSE APPLICATION, PSAR, AMENDMENT 27	METROPOLITAN EDISON CO.	2 127
STATUS OF ALTERNATIVE			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS	AEROSPACE CORP.	2 113
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T. / DYKEMA, O. / FORREST, L. / HAGEN, K. / KETTLER, J. / LAFRANCE, R. / SMALLEY, W.	2 114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2 115
STATUS REVIEW			
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2 118
STEAM			
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 160
STEAM GENERATORS			
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5 250

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

STEAM LINES			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
STEAM TURBINES			
1974	ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3 165
STEEL			
1973	FLYWHEELS	POST, R. F. / POST, S. F.	1 25
STEEL FLYWHEEL			
1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3 167
STERMSCHEG, J.			
1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3 198
STERNLICHT, B.			
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2 119
STIFFNESS			
1972	EFFECTIVE STIFFNESS OF RANDOMLY ORIENTED FIBRE COMPOSITES	CHRISTENSEN, R. M. / WAALS, F. M.	6 292
STIRLING ENGINES			
1989	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. / BATTELLE COLUMBUS LABS.	2 69
1989	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES		2 70
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2 115
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2 118
STOCHASTIC FINITE ELEMENT			
1975	STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS.	LARDER, R. A.	6 349
STONE, R. G.			
1975	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.	6 384
1975	LLL PROGRAM FOR COMPOSITE FLYWHEEL	CHIAO, T. T. / STONE, R. G.	3 203
1976	FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS	STONE, R. G.	1 57
STONESIFER, F. R.			
1971	FRACTURE TOUGHNESS IN UNIDIRECTIONAL GLASS-REINFORCED PLASTICS	SANFORD, R. J. / STONESIFER, F. R.	6 287
STORAGE -			
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3 204
STORAGE - FEASIBILITY			
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3 204

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

STORAGE - FEASIBILITY (CONTD.)

STORAGE APPARATUS

1972	INERTIAL ENERGY STORAGE APPARATUS AND SYSTEM FOR UTILIZING THE SAME	POST, R. F. / POST, S. F.	2	86
1973	INERTIAL ENERGY STORAGE APPARATUS	POST, S. F.	2	96

STORAGE BY FLYWHEELS

1975	ENERGY STORAGE BY FLYWHEELS	FULLMAN, R. L.	3	185
------	-----------------------------	----------------	---	-----

STORAGE DEVICE

1974	FLYWHEELS AS AN ENERGY STORAGE DEVICE, A SELECTED BIBLIOGRAPHY	LLL	1	30
1975	ENERGY STORAGE DEVICE	TIN, W.C.	3	189

STORAGE DEVICES

1976	WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?	BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.	3	205
------	---	---	---	-----

STORAGE FINAL REPORT

1975	DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE FINAL REPORT	GORDON, H. S.	3	193
------	--	---------------	---	-----

STORAGE FLYWHEELS

1975	FIBER COMPOSITES FOR ENERGY STORAGE FLYWHEELS.	PENN, L. S./CHIAO, T. T.	6	362
1975	ECONOMIC AND TECHNICAL FEASIBILITY STUDY FOR ENERGY STORAGE FLYWHEELS	ROCKWELL INTERNATIONAL, SPACE DIV.	3	201
1976	COMPOSITE MATERIALS FOR ENERGY STORAGE FLYWHEELS	CHIAO, T. T.	6	371

STORAGE FOR WIND

1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	ZLOTNICK, M.	3	190
------	---	--------------	---	-----

STORAGE IN ELECTRIC

1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3	177
------	--	-----------------------------------	---	-----

STORAGE IN RAIL

1964	ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT	MARLOWE, E. W.	2	61
------	---	----------------	---	----

STORAGE OF OFF-PEAK

1975	KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY	SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.	3	198
------	--	--	---	-----

STORAGE SUBSTATIONS

1966	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	2	65
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	212
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	213
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	214
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	215
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4	216

STORAGE SYSTEM

1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B.	4	210
------	---	-------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

STORAGE SYSTEM (CONTD.)

1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3	157
------	-------------------------------------	-------------------	---	-----

STORAGE SYSTEMS

1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2	66
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	160
1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2	112
1975	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	1	43
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH- ENERGY SPACE-BASED LASERS	GILBERT, J.S./KERN, E.A.	3	183

STORAGE TECHNIQUES

1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
------	--	-----------------	---	-----

STORAGE TECHNOLOGIES

1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3	191
------	---	------------------	---	-----

STORAGE TECHNOLOGY

1974	ENERGY STORAGE TECHNOLOGY	VANDERRYN, J.	3	171
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELL, B. R.	3	195

STORAGE UNIT

1969	WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4	217
1975	DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION.	CORMACK, A. / NOTTI, J. E. / RUIZ, M. L.	4	239

STORAGE USING ALKALI

1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5	242
------	--	---------------	---	-----

STORAGE VIA FLYWHEELS

1973	ENERGY STORAGE VIA FLYWHEELS	GILMAN, J.J. / HUCKE, E.E.	3	154
------	------------------------------	----------------------------	---	-----

STORED

1966	SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT FLYWHEEL PACKAGE	NAVAL ORDNANCE STATION, FOREST PARK, ILL.	2	64
1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3	143
1973	STORED ENERGY IN A SPINNING DISK COULD ALLEVIATE THE ENERGY CRISIS	PRODUCT ENGINEERING	2	99

STORED ENERGY

1966	SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT FLYWHEEL PACKAGE	NAVAL ORDNANCE STATION, FOREST PARK, ILL.	2	64
1970	FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX) FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT	NELLIS, V. C.	3	143
1973	STORED ENERGY IN A SPINNING DISK COULD ALLEVIATE THE ENERGY CRISIS	PRODUCT ENGINEERING	2	99
1974	ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A.L.	3	165
1974	ENERGY STORAGE. (II): DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A.L.	3	166

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

STORED ENERGY CATAPULT			
1986	SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT FLYWHEEL PACKAGE	NAVAL ORDNANCE STATION, FOREST PARK, ILL.	2 64
STORING ELECTRICAL ENERGY			
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G. C. / HART, A. B. / MOFFITT, R. D. / WRIGHT, J.	3 186
STORING ENERGY			
1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L.	3 186
STRAIN MEASUREMENT TECHNIQUES			
1974	STRAIN MEASUREMENT TECHNIQUES FOR FIBER MODULUS DETERMINATION	MOORE, R. L. / LEPPER, J. K.	6 325
STRAIN RATE EFFECT			
1971	STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/EPOXY STRANDS	CHIAO, T. T. / MOORE, R. L.	6 265
STRANDS			
1971	STRESS-RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS	CHIAO, T. T. / MOORE, R. L.	6 284
1971	STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/EPOXY STRANDS	CHIAO, T. T. / MOORE, R. L.	6 285
1972	STRESS RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS: TIME - BREAK-DATA.	CHIAO, T. T. / MOORE, R. L.	6 300
1973	STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T. / WELLS, J. E. / MOORE, R. L. / HAMSTAD, M. A.	6 318
1974	STRESS-RUPTURE BEHAVIOR OF GRAPHITE FIBER/EPOXY STRANDS	MOORE, R. L. / CHIAO, T. T. / HAMSTAD, M. A.	6 324
STRATEGIES AND IMPLEMENTATION			
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5 244
STRATIFIED CHARGE ENGINES			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPIDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2 115
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2 119
1975	AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC. 1974.	LEHMANN, E. J.	2 124
STRENGTH			
1971	A GENERAL THEORY OF STRENGTH FOR ANISOTROPIC MATERIALS	TSAI, S. W. / WU, E. M.	6 279
1972	STRENGTH TENSORS AND THEIR INVARIANTS - THEORY AND EXPERIMENT	WU, E. M.	6 291
1972	STRENGTH RETENTION OF S-GLASS/EPOXY COMPOSITES	CHIAO, T. T. / MOORE, R. L.	6 295
1972	STRENGTH OF S-GLASS FIBER	CHIAO, T. T. / MOORE, R. L.	6 299
1972	CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING DISKS AND FLYWHEELS	KRITZER, R.	1 20
1972	FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL LOADING	CHIAO, T. T. / COMMINS, A. D.	6 308
1974	STRENGTH AND FRACTURE OF COMPOSITES	WU, E. M.	6 327
1974	LAMINATE STRENGTH - A DIRECT CHARACTERIZATION PROCEDURE	WU, E. M. / SCHUEBLEIN, J. K.	6 330
1975	STRENGTH DISTRIBUTION OF SINGLE FILAMENTS	LARDER, R. A. / BEADLE, C. W.	6 359
1975	STRENGTH RETENTION AND LIFE OF FIBER COMPOSITE MATERIALS	CHIAO, T. T. / SHERRY, R. J.	6 361
1976	CHEMISTRY AND TECHNOLOGY OF HIGH STRENGTH POLYAMIDE FIBERS	LARSEN, F. N.	6 377
STRENGTH AND FRACTURE			
1974	STRENGTH AND FRACTURE OF COMPOSITES	WU, E. M.	6 327

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

STRENGTH DISTRIBUTION			
1975	STRENGTH DISTRIBUTION OF SINGLE FILAMENTS	LARDER, R. A./BEADLE, C. W.	6 359
STRENGTH FOR ANISOTROPIC			
1971	A GENERAL THEORY OF STRENGTH FOR ANISOTROPIC MATERIALS	TSAI, S. W. / WU, E. M.	6 279
STRENGTH OF FIBERS			
1973	FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN SYSTEM	CHIAO, T. T./ HAMSTAD, M. A./ MARCON, M. A./HANAFEE, JR.	6 323
STRENGTH OF S-GLASS/EPOXY			
1972	FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL LOADING	CHIAO, T. T./COMMINIS, A.D.	6 308
STRENGTH RETENTION			
1972	STRENGTH RETENTION OF S-GLASS/EPOXY COMPOSITES	CHIAO, T. T./ MOORE, R. L.	6 295
1972	ANALYSIS OF STRESS-RUPTURE DATA FROM S-GLASS COMPOSITES	ROBINSON, E. Y./CHIAO, T. T.	6 298
1972	CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING DISKS AND FLYWHEELS	KRITZER, R.	1 20
1975	STRENGTH RETENTION AND LIFE OF FIBER COMPOSITE MATERIALS	CHIAO, T. T./ SHERRY, R. J.	6 361
STRENGTH TENSORS			
1972	STRENGTH TENSORS AND THEIR INVARIANTS - THEORY AND EXPERIMENT	WU, E. M.	6 291
STRENGTH TESTING			
1970	A TENSILE TEST METHOD FOR FIBERS	CHIAO, T. T./MOORE, R. L.	6 277
STRESS			
1967	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P.	1 8
1971	THE EFFECT OF SOLVENTS AND STRESS ON THE STRESS RUPTURE LIFE OF EPOXY-GLASS COMPOSITES	RUHMANN, D. C. / WU, E. M.	6 283
1971	STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/EPOXY STRANDS	CHIAO, T. T./MOORE, R. L.	6 285
1972	STRESS RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS: TIME - BREAK-DATA.	CHIAO, T. T./MOORE, R. L.	6 300
1973	THE EFFECT OF STRESS ON DIFFUSION IN COMPOSITES - EXPERIMENTAL OBSERVATIONS.	RUHMANN, D. C. / WU, E. M.	6 315
1973	FILAMENT-WOUND VESSEL FROM AN ORGANIC FIBER/EPOXY SYSTEM	CHIAO, T. T./MARCON, M. A.	6 317
1974	STRESS RUPTURE OF GLASS/EPOXY COMPOSITES - ENVIRONMENT AND STRESS EFFECTS.	WU, E. M. / RUHMANN, D. C.	6 332
1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P.J.	1 40
STRESS ANALYSIS			
1967	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P.	1 8
1974	THERMAL STRESSES IN COMPOSITE FLYWHEELS	REUTER, R. C. JR.	1 28
1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW)SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2 103
STRESS CALCULATIONS			
1967	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P.	1 8
STRESS CONCENTRATION			
1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P.J.	1 40
STRESS EFFECTS			
1974	STRESS RUPTURE OF GLASS/EPOXY COMPOSITES - ENVIRONMENT AND STRESS EFFECTS.	WU, E. M. / RUHMANN, D. C.	6 332

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

STRESS FRACTURE

1975 FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P. J.	1 40
---	---------------	------

STRESS OF FIBER/

1971 STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/ EPOXY STRANDS	CHIAO, T. T./MOORE, R. L.	6 285
--	---------------------------	-------

STRESS ON DIFFUSION

1973 THE EFFECT OF STRESS ON DIFFUSION IN COMPOSITES - EXPERIMENTAL OBSERVATIONS.	RUHMANN, D. C. / WU, E. M.	6 315
---	----------------------------	-------

STRESS RUPTURE

1971 THE EFFECT OF SOLVENTS AND STRESS ON THE STRESS RUPTURE LIFE OF EPOXY-GLASS COMPOSITES	RUHMANN, D. C. / WU, E. M.	6 283
1971 STRESS-RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS	CHIAO, T. T./MOORE, R. L.	6 284
1972 ANALYSIS OF STRESS-RUPTURE DATA FROM S-GLASS COMPOSITES	ROBINSON, E. Y./CHIAO, T. T.	6 298
1972 STRESS RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS: TIME - BREAK-DATA.	CHIAO, T. T./MOORE, R. L.	6 300
1972 STRESS-RUPTURE OF SIMPLE S-GLASS/EPOXY COMPOSITES	CHIAO, T. T./ LEPPER, J. K./ HETHERINGTON, N.W./MOORE, R. L.	6 302
1973 STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T./ WELLS, J. E./ MOORE, R. L./HAMSTAD, M. A.	6 318
1974 STRESS RUPTURE OF GLASS/EPOXY COMPOSITES - ENVIRONMENT AND STRESS EFFECTS.	WU, E. M. / RUHMANN, D. C.	6 332
1974 STRESS-RUPTURE OF EPOXY-COATED BE-WIRE	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6 342

STRESS-BEARING CHARACTERISTICS

1973 FLYWHEELS	POST, R. F./POST, S. F.	1 25
----------------	-------------------------	------

STRESS-RUPTURE AND FATIGUE

1974 ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN ORGANIC FIBER COMPOSITE	HAMSTAD, M. A./CHIAO, T. T.	6 334
--	-----------------------------	-------

STRESS-RUPTURE BEHAVIOR

1973 STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T./ WELLS, J. E./ MOORE, R. L./HAMSTAD, M. A.	6 318
1974 STRESS-RUPTURE BEHAVIOR OF GRAPHITE FIBER/EPOXY STRANDS	MOORE, R. L./ CHIAO, T. T./HAMSTAD, M. A.	6 324

STRESS-RUPTURE DATA

1972 ANALYSIS OF STRESS-RUPTURE DATA FROM S-GLASS COMPOSITES	ROBINSON, E. Y./CHIAO, T. T.	6 298
--	------------------------------	-------

STRESS-RUPTURE OF EPOXY-COATED

1974 STRESS-RUPTURE OF EPOXY-COATED BE-WIRE	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6 342
---	--	-------

STRESS-RUPTURE OF S-GLASS/EPOXY

1971 STRESS-RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS	CHIAO, T. T./MOORE, R. L.	6 284
--	---------------------------	-------

STRESSES

1972 CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING DISKS AND FLYWHEELS	KRITZER, R.	1 20
1973 SUPERFLYWHEEL	RABENHORST, D. W.	3 153
1973 ENERGY STORAGE VIA FLYWHEELS	GILMAN, J. J./ HUCKE, E. E.	3 154
1974 THERMAL STRESSES IN COMPOSITE FLYWHEELS	REUTER, R. C. JR.	1 28
1975 FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.	STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S./ CLEMENTS, L. L. / CHIAO, C. C.	6 384

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

STRESSES (CONTD.)		
1975	LONG-TERM PERFORMANCE OF FIBER COMPOSITES	CHIAO, C. C. 6 366
1975	MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL	BLAKE, A. 1 53
STRESSES AND STRENGTH		
1972	CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING DISKS AND FLYWHEELS	KRITZER, R. 1 20
STRESSES IN COMPOSITE		
1974	THERMAL STRESSES IN COMPOSITE FLYWHEELS	REUTER, R. C. JR. 1 28
STROHLEIN, J.N.		
1975	VEHICLE POWER SYSTEM FOR LIMITED VEHICLE MOVEMENT WITHOUT USE OF FUEL	STROHLEIN, J.N. 2 126
STRUCTURAL RESPONSE		
1975	STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS.	LARDER, R. A. 6 349
STRUCTURES		
1970	AXISYMMETRIC FILAMENTARY STRUCTURES	FRASER, A. F. / PREISWERK, P. R. / BENTON, M. D. / BURG-GRAF, O. R. 6 278
1972	NON-STATIONARY RANDOM VIBRATION OF NONLINEAR STRUCTURES	TOLAND, R. H. / YANG, C. Y. / HSU, C. S. 6 303
1973	FAILURE CRITERIA AND FAILURE ANALYSIS OF COMPOSITE STRUCTURES	TOLAND, R. H. / VICARIO, A. A. 6 310
1974	PROBABILISTIC DESIGN OF COMPOSITE STRUCTURES	MAXWELL, R. / TOLAND, R. H. / JOHNSON, C. W. 6 329
STUDER, PHILIP A.		
1976	MECHANICAL CAPACITOR	KIRK, JAMES A. / STUDER, PHILIP A. / EVANS, HAROLD E. 3 206
STUDIES		
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C. 4 231
STUDY		
1967	COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY	MORGANTHALER, G. F. / BONK, S. P. 1 8
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. / BATTELLE COLUMBUS LABS. 2 69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS. 2 70
1971	FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION. FINAL REPORT	GILBERT, R. R. / HARVEY, J. R. / HEUER, G. E. / LAWSON, L. J. 2 77
1971	STUDY OF EPOXY RESINS FOR FIBER COMPOSITES	RICHARDSON, J. / MOORE, R. L. / CHIAO, T. T. 6 288
1972	FLYWHEEL DRIVE SYSTEMS STUDY. FINAL REPORT	GILBERT, R. R. / HEUER, G. E. / JACOBSEN, E. H. / KUHN, E. B. / LAWSON, L. J. / WADA, W. T. 2 87
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 1: FEASIBILITY STUDIES	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C. 4 231
1974	INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY. VOLUME 2: CONCEPTUAL DESIGNS	NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C. 4 232
1974	A 1000 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M. 1 34
1974	A 150 NMS FLYWHEEL OPTIMISATION STUDY	STANDING, J. M. 1 35
1975	FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS	BINDIN, P. J. 1 40
1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHNEIN, F. J. 4 237

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

STUDY (CONTD.)

1975	ECONOMIC AND TECHNICAL FEASIBILITY STUDY FOR ENERGY STORAGE FLYWHEELS	ROCKWELL INTERNATIONAL, SPACE DIV.	3	201
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204

STUDY AND DEMONSTRATION

1971	FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION.FINAL REPORT	GILBERT, R. R./HARVEY, J.R./HEUER, G. E./LAWSON, L. J.	2	77
------	---	--	---	----

STUDY FOR ENERGY

1975	ECONOMIC AND TECHNICAL FEASIBILITY STUDY FOR ENERGY STORAGE FLYWHEELS	ROCKWELL INTERNATIONAL, SPACE DIV.	3	201
------	---	------------------------------------	---	-----

STUDY OF EPOXY

1971	STUDY OF EPOXY RESINS FOR FIBER COMPOSITES	RICHARDSON, J./ MOORE, R. L./CHIAO, T. T.	6	288
------	--	---	---	-----

SUBJECTED

1968	FLYWHEEL STABILIZATION OF A RIGID BODY SUBJECTED TO CONSTANTLY APPLIED PERTURBATIONS	DERGACHEVA, E. I.	3	140
------	--	-------------------	---	-----

SUBSTATIONS FOR AIRCRAFT

1966	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	2	65
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	212
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	213
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	214
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.	4	215
1967	EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS	HELSLEY, C. W. / CALL, B. J.	4	216

SUBWAY

1970	CUT SUBWAY POWER COSTS	NEW YORK CITY METROPOLITAN TRANSPORTATION AUTHORITY	2	74
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2	108
1975	NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	RAILWAY GAZETTE INTERNATIONAL	2	123

SUBWAY CARS

1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2	108
------	---	-----------------	---	-----

SUBWAY POWER COSTS

1970	CUT SUBWAY POWER COSTS	NEW YORK CITY METROPOLITAN TRANSPORTATION AUTHORITY	2	74
------	------------------------	---	---	----

SUGIYAMA, H.

1975	HYBRID POWER SYSTEM	SUGIYAMA, H./HIROTA, T./KAKEI, J. /KABASAWA, Y.	2	129
------	---------------------	---	---	-----

SULFUR OXIDES

1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3	192
------	---	-------------------------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SULZBERGER, V. T.			
1976	ENERGY STORAGE	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3 208
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3 209
SUMMARY			
1972	SUMMARY OF GAS BEARING APPLICATIONS IN THE FIELD OF SPACE ELECTRIC POWER SYSTEMS	DUNN, J. H. / REAM, L. W.	4 223
1974	NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	LUCCHINI, A. P.	5 246
SUNDSTRAND AVIATION			
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2 86
SUPER CONDUCTING MAGNETS			
1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3 181
SUPER FLYWHEEL			
1969	PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL	RABENHORST, D. W.	2 68
1970	SUPER FLYWHEEL TO POWER ZERO-EMISSION CAR	ARMAGNAC, A. P.	2 73
1970	PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL	RABENHORST, D. W.	1 14
1970	SUPER FLYWHEEL	MECH. ENG.	1 15
1971	SUPER FLYWHEEL CONFIGURATIONS FORM HEART OF MECHANICAL- POWERED DRIVES	CHIRONIS, N. P.	2 76
1971	POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2 81
1973	SUPER FLYWHEEL; A SECOND LOOK	BRUNELLE, E. J.	1 22
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLV- ING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3 204
SUPER FLYWHEEL CONFIGURATIONS			
1971	SUPER FLYWHEEL CONFIGURATIONS FORM HEART OF MECHANICAL- POWERED DRIVES	CHIRONIS, N. P.	2 76
SUPER FLYWHEELS			
1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3 157
SUPERCONDUCTING CABLES			
1974	ELECTRIC POWER SYSTEMS	ERDA	3 179
SUPERCONDUCTING INDUCTIVE ENERGY			
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH- ENERGY, SPACE-BASED LASERS	GILBERT, J. S. / KERN, E. A.	3 183
SUPERCONDUCTING MAGNETS ENERGY STORAGE			
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 180
SUPERCONDUCTING MAGNETS			
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 180
1974	ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY	KELLER, W. E.	3 188
1974	ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3 172
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3 176

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SUPERCONDUCTING MAGNETS (CONTD.)

1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3	181
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH- ENERGY, SPACE-BASED LASERS	GILBERT, J.S./KERN, E.A.	3	183
1975	UTILITIES EYE LARGE-SCALE ENERGY STORAGE	RICCI, L. J.	3	184
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G.C./HART, A.B./MOFFITT, R.D. /WRIGHT, J.	3	186
1976	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5	251
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.	5	252

SUPERCONDUCTIVITY

1974	ENERGY STORAGE.(II):.DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A.L.	3	166
------	---	----------------	---	-----

SUPERCONDUCTORS

1974	ENERGY STORAGE.(II):.DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A.L.	3	166
------	---	----------------	---	-----

SUPERFLYWHEEL

1969	PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL	RABENHORST, D. W.	2	68
1971	POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2	81
1971	MATERIAL REQUIREMENTS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	1	17
1973	SUPERFLYWHEEL	RABENHORST, D. W.	3	153
1973	DESIGN CONSIDERATIONS FOR A 100-MEGAJOULE/500-MEGAWATT SUPERFLYWHEEL	RABENHORST, D. W. / TAYLOR, R. J.	1	26
1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3	157
1974	TECHNICAL PROGRAM PLAN FOR SUPERFLYWHEEL DEVELOPMENT	RABENHORST, D. W.	1	27
1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2	112
1974	MULTIRIM SUPERFLYWHEEL TECHNICAL MEMO	RABENHORST, D. W.	1	33
1974	SUPERFLYWHEEL: THE BATTERY THAT SPINS	LAMPE, D.	1	36
1975	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	1	43
1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L.	3	188
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLV- ING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3	204

SUPERFLYWHEEL ENERGY STORAGE

1973	SUPERFLYWHEEL ENERGY STORAGE SYSTEM	RABENHORST, D. W.	3	157
1974	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	2	112
1975	METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS	RABENHORST, D. W.	1	43

SUPERFLYWHEEL FOR STORING

1975	SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS	RABENHORST, D. W. / DUGGER, G. L.	3	188
------	---	-----------------------------------	---	-----

SUPERFLYWHEELS

1974	SUPERFLYWHEEL: THE BATTERY THAT SPINS	LAMPE, D.	1	36
------	---------------------------------------	-----------	---	----

SUPPLIES FOR HIGH-ENERGY

1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH- ENERGY, SPACE-BASED LASERS	GILBERT, J.S./KERN, E.A.	3	183
------	--	--------------------------	---	-----

SUPPLY FACILITY

1974	COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH	MIYAHARA, A. / BANNAI, E. / KITANO, Y.	3	158
------	--	---	---	-----

SUPPORTED ON GREASE-LUBRICATED

1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G.	4	225
------	--	---------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SURVEY OF PROPULSION			
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2 75
SUSPENDED LARGE MOMENTUM			
1975	MAGNETICALLY SUSPENDED LARGE MOMENTUM WHEEL	SABNIS, A. V. / DENDY, J. B. / SCHMITT, F. M.	4 238
SUSPENDED ROTOR			
1970	MODIFICATION OF DC MOTOR WITH MAGNETICALLY SUSPENDED ROTOR	CAMBRIDGE THERMIONIC CORP., MASS.	1 11
SUSPENSION			
1973	A SPECIAL THEORY OF VISCOELASTIC FLUIDS FOR APPLICATION TO SUSPENSION.	CHRISTENSEN, R. M.	6 313
SVENSSON, A.			
1969	FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE	SVENSSON, A. / WETHERBEE, A. E.	3 142
SWAIN, J.			
1970	SATELLITE FLYWHEEL	BARWELL, L. D. G. / SWAIN, J.	4 221
SWEDLOW, J. L.			
1972	EXPERIMENTAL INVESTIGATION OF FRACTURE IN AN ADVANCED FIBER COMPOSITE	KONISH, H. J. / SWEDLOW, J. L. / CRUSE, T. A.	6 294
SYMPOSIUM			
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2 83
1975	1975 FLYWHEEL TECHNOLOGY SYMPOSIUM	ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION, AND LAWRENCE LIVERMORE LABORATORY	1 50
SYNCHRONOUS MACHINES			
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3 178
SYNCHRONOUS SATELLITES			
1971	THE DRALLRAD: A FLYWHEEL FOR THE STABILIZATION OF SYNCHRONOUS SATELLITES	WEHDE, HEINZ	4 222
SYNTHESIS			
1974	SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR	GULIA, N. V. / YUDOVSKII, I. D.	2 104
SYNTHETIC FUELS			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2 115
SYNTHETIC PETROLEUM			
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E. / HINTON, M. G. / MELTZER, J. / IURA, T.	2 115
SYSKA AND HENNESSY, INC. ENGINEERS			
1970	FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS	ORTIZ, J. V.	3 144

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SYSTEM ALTERNATIVES		
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J. 3 155
SYSTEM ANALYSES		
1976	RESEARCH LEADING TO THE PRODUCTION AND EARLY USE OF NUMERIC DATA BANKS OF MATERIAL PROPERTIES AND SYSTEM ANALYSES	HENRY, E. A. 1 58
SYSTEM DESCRIPTION		
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.	DAVIS, D. D. 2 134
SYSTEM DESIGN		
1976	BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.	DAVIS, D. D. 2 135
SYSTEM FOR BUS		
1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES 2 103
SYSTEM FOR COMPUTERS		
1970	FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR COMPUTERS	ORTIZ, J. V. 3 144
SYSTEM FOR FILAMENT		
1972	CHARACTERIZATION OF AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T./ALTHOUSE, L. P. 6 309
1974	AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T./ JESSOP, E. S./NEWBY, H. A. 6 340
1975	A LONG POT LIFE EPOXY SYSTEM FOR FILAMENT WINDING	PENN, L. S./CHIAO, T. T. 6 356
SYSTEM FOR LOCAL-DUTY		
1973	FLYWHEEL-ELECTRIC SYSTEM FOR LOCAL-DUTY VEHICLES	AUTOMOTIVE ENG. 2 93
SYSTEM FOR SPACE		
1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B. 4 210
SYSTEM TRANSMISSION EVALUATION		
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A./GRIMM, D. H. 2 86
SYSTEMS AND FUELS		
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS	AEROSPACE CORP. 2 113
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E./HINTON, M. G./MELTZER, J. /IURA, T./DYKEMA, O./FORREST, L./HAGEN, K./KETTLER, J./LAFRANCE, R./SMALLEY, W. 2 114
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES, D. E./HINTON, M. G./MELTZER, J. /IURA, T. 2 115
SYSTEMS ARE BOOTSTRAPS		
1968	EMERGENCY PUMP SYSTEMS ARE BOOTSTRAPS TO POWER	PRODUCT ENG. 3 141
SYSTEMS AS POWER		
1975	ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-ENERGY, SPACE-BASED LASERS	GILBERT, J. S./KERN, E. A. 3 183

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

SYSTEMS DIVISION			
1975	FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3	ELECTRIC POWER RESEARCH INST.	3 192
SYSTEMS FOR ENERGY			
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 160
SYSTEMS FOR HIGH-PERFORMANCE			
1975	SCREENING OF EPOXY SYSTEMS FOR HIGH-PERFORMANCE FILAMENT WINDING APPLICATIONS	CHIAO, T. T. / JESSOP, E. S. / PENN, L. S.	6 355
SYSTEMS FOR LOW-EMISSION			
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L.	2 80
SYSTEMS FOR MINUTEMAN			
1959	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2 60
SYSTEMS FOR MOVING			
1974	KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE	BAXTER, J. W. / LAWSON, L. J.	2 107
SYSTEMS FOR ROAD			
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2 111
SYSTEMS FOR TRANSIT			
1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2 66
SYSTEMS FOR VEHICLES			
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L. / RABENHORST, D. W. / SMALL, T. R. / WEISS, R. O.	1 18
SYSTEMS STUDY			
1972	FLYWHEEL DRIVE SYSTEMS STUDY. FINAL REPORT	GILBERT, R. R. / HEUER, G. E. / JACOBSEN, E. H. / KUHN, S. E. B. / LAWSON, L. J. / WADA, W. T.	2 87
TATRY, B.			
1976	ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLVING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER FLYWHEEL, AND ELECTRIC POWER GENERATION.	TATRY, B.	3 204
TAXING			
1976	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5 251
TAYLOR, R. J.			
1973	DESIGN CONSIDERATIONS FOR A 100-MEGAJOULE/500-MEGAWATT SUPERFLYWHEEL	RABENHORST, D. W. / TAYLOR, R. J.	1 26
TECH. HOCHSCH., AACHEN, GER.			
1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2 110

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

TECHNICAL ASSESSMENT			
1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3 191
TECHNICAL FEASIBILITY STUDY			
1975	ECONOMIC AND TECHNICAL FEASIBILITY STUDY FOR ENERGY STORAGE FLYWHEELS	ROCKWELL INTERNATIONAL, SPACE DIV.	3 201
TECHNICAL IDEA			
1970	A NEW TECHNICAL IDEA ON FLYWHEELS {NOUVELLE CONCEPTION TECHNIQUE DES VOLANTS D'INERTIE}	POUBEAU, P.	4 220
TECHNICAL MEMO			
1974	MULTIRIM SUPERFLYWHEEL TECHNICAL MEMO	RABENHORST, D. W.	1 33
TECHNICAL PROGRAM PLAN			
1974	TECHNICAL PROGRAM PLAN FOR SUPERFLYWHEEL DEVELOPMENT	RABENHORST, D. W.	1 27
TECHNIQUES FOR FIBER			
1974	STRAIN MEASUREMENT TECHNIQUES FOR FIBER MODULUS DETERMINATION	MOORE, R. L. / LEPPER, J. K.	6 325
TECHNIQUES IN ELECTRIC			
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3 199
TECHNISCHE BERECHNUNG DER MOTOREN-WERKE			
1972	CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING DISKS AND FLYWHEELS	KRITZER, R.	1 20
TECHNISCHE HOCHSCHULE			
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H./TORRES, F.	2 117
TECHNISCHE HOCHSCHULE AACHEN (F.R. GERMANY)			
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2 133
TECHNOLOGIES			
1974	ENERGY STORAGE.(II):.DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A. L.	3 166
1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3 191
TECHNOLOGY			
1972	THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE	RABENHORST, D. W.	1 19
1974	ENERGY VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S./ICERMAN, L.	5 243
1974	ENERGY STORAGE TECHNOLOGY	VANDERRYN, J.	3 171
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETRICK, P. A.	5 247
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3 195
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3 199
1975	1975 FLYWHEEL TECHNOLOGY SYMPOSIUM	ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION, AND LAWRENCE LIVERMORE LABORATORY	1 50
1976	CHEMISTRY AND TECHNOLOGY OF HIGH STRENGTH POLYAMIDE FIBERS	LARSEN, F. N.	6 377
1976	ENERGY AND TECHNOLOGY REVIEW (MONTHLY PROGRESS REPORT 6/76)	SELLEN, R. W.	5 253
TECHNOLOGY REVIEW			
1976	ENERGY AND TECHNOLOGY REVIEW (MONTHLY PROGRESS REPORT 6/76)	SELLEN, R. W.	5 253

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

TECHNOLOGY SYMPOSIUM

1975 1975 FLYWHEEL TECHNOLOGY SYMPOSIUM

ENERGY RESEARCH AND DEVELOPMENT
ADMINISTRATION, AND LAWRENCE
LIVERMORE LABORATORY

1 50

TELDIX DOUBLE-GIMBALLED MOMENTUM

1974 THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-
GIMBALLED MOMENTUM WHEEL

TODD, M. J. / WILSON, N. G.

4 234

TELDIX LUFTFAHRT-AUSRUESTUNGS G.M.B.H.

1971 THE DRALLRAD: A FLYWHEEL FOR THE STABILIZATION OF
SYNCHRONOUS SATELLITES

WEHDE, HEINZ

4 222

1973 ENVIRONMENTAL TESTS ON DRALLRAD DR 20-6-ZKM

SCHULZ, HANS HOLGER

4 229

1974 DESIGN AND LUBRICATION OF BALL BEARING UNIT FOR FLYWHEELS

AUER, WERNER

4 233

1974 QUALIFICATION AND LIFE TESTING OF A BALL-BEARING FLYWHEEL

TELDIX LUFTFAHRT-AUSRUESTUNGS G.M.B.
H.

4 235

TEMPERATURE

1967 THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF
TWO ANGLE WOUND PIPE

CHIAO, T. T.

6 265

1974 ULTRAHIGH TEMPERATURE

RYLANDER, H. G. / WOODSON, H. H. / BECKER, E.
B. / ROWBERG, R.

3 163

1976 A THERMODYNAMIC CRITERION FOR THE GLASS-TRANSITION
TEMPERATURE.

CHRISTENSEN, R. M.

6 368

TEMPERATURE CHARACTERISTICS

1972 TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX

CHIAO, T. T. / MOORE, R. L.

6 305

TEMPERATURE EFFECT

1967 THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF
TWO ANGLE WOUND PIPE

CHIAO, T. T.

6 265

TEMPERATURE EFFECTS

1975 APPLICATION SPIRAL-GROOVE BEARINGS ON SPACECRAFT

VANDERWAL, U.

4 236

TEMPERATURE GRADIENTS

1974 THERMAL STRESSES IN COMPOSITE FLYWHEELS

REUTER, R. C. JR.

1 28

TEMPERATURE-CURABLE EPOXY

1974 A ROOM TEMPERATURE-CURABLE EPOXY FOR ADVANCED FIBER
COMPOSITES

CHIAO, T. T. / MOORE, R. L.

6 335

TEMPERATURES AND HYDRODYNAMIC

1972 LOW PEAK TEMPERATURES AND HYDRODYNAMIC BEARINGS - KEY TO
LONG LIFE ORGANIC RANKINE CYCLE SYSTEMS

BORETTZ, J. E.

3 150

TENSILE PROPERTIES

1972 FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS

CHIAO, T. T. / CUMMINS, A. D. / MOORE,
R. L.

6 296

1972 TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX

CHIAO, T. T. / MOORE, R. L.

6 305

1974 STRAIN MEASUREMENT TECHNIQUES FOR FIBER MODULUS DETERMINATION

MOORE, R. L. / LEPPER, J. K.

6 325

1974 TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER
AN EPOXY MATRIX

CHIAO, T. T. / HAMSTAD, M. A. / JESSOP,
E. S.

6 337

1974 TENSILE PROPERTIES OF AN ULTRAHIGH-STRENGTH GRAPHITE FIBER
AN EPOXY MATRIX

CHIAO, T. T. / HAMSTAD, M. A. / JESSOP,
E. S.

6 344

1975 ELONGATED-RING SPECIMEN FOR TENSILE PROPERTIES OF FILAMENT-
WOUND COMPOSITES

CLEMENTS, L. L. / MOORE, R. L. / CHIAO,
T. T.

6 358

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

TENSILE SPECIMENS

1972	FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS	CHIAO, T. T./ CUMMINS, A. D./MOORE, R. L.	6	296
------	--	---	---	-----

TENSILE STRENGTH

1970	A TENSILE TEST METHOD FOR FIBERS	CHIAO, T. T./MOORE, R. L.	6	277
1971	STUDY OF EPOXY RESINS FOR FIBER COMPOSITES	RICHARDSON, J./ MOORE, R. L./CHIAO, T. T.	6	288
1972	TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX	CHIAO, T. T./MOORE, R. L.	6	305
1972	CHARACTERIZATION OF AN EPOXY SYSTEM FOR FILAMENT WINDING	CHIAO, T. T./ALTHOUSE, L. P.	6	309
1973	GRAPHITE FIBER/EPOXY COMPOSITES	CHIAO, T. T./ MOORE, R. L./WALKUP, C. M.	6	321
1973	MATERIALS EVALUATION FOR 2X11B MAGNET	CHIAO, T. T./ WALKUP, C. M./NEWHEY, H. A.	6	322

TENSILE STRESS

1971	STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/EPOXY STRANDS	CHIAO, T. T./MOORE, R. L.	6	285
------	--	---------------------------	---	-----

TENSILE TEST METHOD

1970	A TENSILE TEST METHOD FOR FIBERS	CHIAO, T. T./MOORE, R. L.	6	277
------	----------------------------------	---------------------------	---	-----

TENSORS

1972	STRENGTH TENSORS AND THEIR INVARIANTS - THEORY AND EXPERIMENT	WU, E. M.	6	291
1972	OPTIMAL EXPERIMENTAL MEASUREMENT OF ANISOTROPIC FAILURE TENSORS	WU, E. M.	6	297

TEST

1968	OFF-AXIS TEST OF A COMPOSITE	WU, E. M. / THOMAS, R. L.	6	270
1970	A TENSILE TEST METHOD FOR FIBERS	CHIAO, T. T./MOORE, R. L.	6	277
1973	A CRITICAL TEST FOR A CLASS OF NONLINEAR CONSTITUTIVE EQUATIONS	CHRISTENSEN, R. M. / VAN ES, H. E.	6	312
1975	EVALUATION OF INTERLAMINAR SHEAR TEST FOR FIBER COMPOSITES	CHIAO, T. T./MOORE, R. L.	6	350
1975	DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION.	CORMACK, A. / NOTTI, J. E. / RUIZ, M. L.	4	239
1976	AN ACCELERATED TEST FOR PREDICTING THE LIFETIME OF ORGANIC FIBER COMPOSITES	CHIAO, C. C.	6	376

TEST FOR FIBER

1975	EVALUATION OF INTERLAMINAR SHEAR TEST FOR FIBER COMPOSITES	CHIAO, T. T./MOORE, R. L.	6	350
------	--	---------------------------	---	-----

TEST FOR PREDICTING

1976	AN ACCELERATED TEST FOR PREDICTING THE LIFETIME OF ORGANIC FIBER COMPOSITES	CHIAO, C. C.	6	376
------	---	--------------	---	-----

TEST METHOD

1970	A TENSILE TEST METHOD FOR FIBERS	CHIAO, T. T./MOORE, R. L.	6	277
------	----------------------------------	---------------------------	---	-----

TESTING

1963	TESTING MAGNETO FLYWHEELS AT SPEEDS UP TO 25000 RPM.	MACHY (LOND)	1	2
1971	COMPUTER AIDED MECHANICAL TESTING OF COMPOSITES	WU, E. M. / JERINA, K. J.	6	286
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J.F. /PERINI, L.L.	2	80
1972	FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS	CHIAO, T. T./ CUMMINS, A. D./MOORE, R. L.	6	296
1973	INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE MATERIALS	TOLAND, R. H.	6	319
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4	230

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

TESTING (CONTD.)			
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2 118
1974	ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT, B. / THUR, G. M.	2 119
1974	QUALIFICATION AND LIFE TESTING OF A BALL-BEARING FLYWHEEL	TELDIX LUFTFAHRT-AUSRUESTUNGS G.M.B. H.	4 235
1975	TESTING OF FIBER COMPOSITE MATERIALS	CHIAO, T. T. / HAMSTAD, M. A.	6 348
1975	DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS)	NOTTI, J. E. / CORMACK, A.	4 240
TESTING AND DESIGN			
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4 230
TESTING MAGNETO FLYWHEELS			
1963	TESTING MAGNETO FLYWHEELS AT SPEEDS UP TO 25000 RPM.	MACHY (LOND)	1 2
TESTING METHODS			
1972	FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS	CHIAO, T. T. / CUMMINS, A. D. / MOORE, R. L.	6 296
TESTING OF CARBON			
1973	INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE MATERIALS	TOLAND, R. H.	6 319
TESTING OF COMPOSITES			
1971	COMPUTER AIDED MECHANICAL TESTING OF COMPOSITES	WU, E. M. / JERINA, K. J.	6 286
TESTING OF EPOXY			
1972	FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS	CHIAO, T. T. / CUMMINS, A. D. / MOORE, R. L.	6 296
TESTING OF FIBER			
1975	TESTING OF FIBER COMPOSITE MATERIALS	CHIAO, T. T. / HAMSTAD, M. A.	6 348
TESTS			
1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G.	4 225
1973	ENVIRONMENTAL TESTS ON DRALLRAD DR 20-6-ZKM	SCHULZ, HANS HOLGER	4 229
1973	ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT-WOUND BOTTLES	HAMSTAD, M. A. / CHIAO, T. T.	6 320
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4 234
TESTS OF FILAMENT-			
1973	ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT-WOUND BOTTLES	HAMSTAD, M. A. / CHIAO, T. T.	6 320
TESTS ON DRALLRAD			
1973	ENVIRONMENTAL TESTS ON DRALLRAD DR 20-6-ZKM	SCHULZ, HANS HOLGER	4 229
TESTS ON REACTION			
1972	QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON GREASE-LUBRICATED BEARINGS	BOS, J. G. G.	4 225
TETRA TECH INC.			
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3 207

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

TFTR ELECTRICAL SYSTEM			
1976	PROPOSED TFTR ELECTRICAL SYSTEM	BRONNER, G. / MURRAY, J.	3 200
THEOREMS			
1968	VARIATIONAL AND MINIMUM THEOREMS FOR THE LINEAR THEORY OF VISCOELASTICITY	CHRISTENSEN, R. M.	6 269
THEORETICAL ANALYSIS			
1964	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2 62
THEORY AND EXPERIMENT			
1972	STRENGTH TENSORS AND THEIR INVARIANTS - THEORY AND EXPERIMENT	WU, E. M.	6 291
THEORY OF STRENGTH			
1971	A GENERAL THEORY OF STRENGTH FOR ANISOTROPIC MATERIALS	TSAI, S. W. / WU, E. M.	6 279
THEORY OF VISCOELASTICITY			
1968	VARIATIONAL AND MINIMUM THEOREMS FOR THE LINEAR THEORY OF VISCOELASTICITY	CHRISTENSEN, R. M.	6 269
1971	THEORY OF VISCOELASTICITY: AN INTRODUCTION	CHRISTENSEN, R. M.	6 282
THEORY OF VISCOELASTIC			
1973	A SPECIAL THEORY OF VISCOELASTIC FLUIDS FOR APPLICATION TO SUSPENSION.	CHRISTENSEN, R. M.	6 313
THERMAL			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. / BATTELLE COLUMBUS LABS.	2 69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES		2 70
1974	THERMAL STRESSES IN COMPOSITE FLYWHEELS	REUTER, R. C. JR.	1 28
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4 234
1975	TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES	SCHNEIDER, T. R.	3 191
THERMAL EFFICIENCY			
1975	MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE	JAFFEE, R. I.	5 250
THERMAL ENERGY STORAGE			
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5 248
1975	ENERGY STORAGE	KALHAMMER, F. R. / COOPER, V. R.	3 181
THERMAL STORAGE			
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3 199
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.	5 252
THERMAL STRESSES			
1974	THERMAL STRESSES IN COMPOSITE FLYWHEELS	REUTER, R. C. JR.	1 28
THERMAL VACUUM QUALIFICATION			
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4 234

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

THERMIONIC CONVERTERS

- | | | | |
|------|---|---|------|
| 1989 | STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES | HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. BATTELLE COLUMBUS LABS. | 2 69 |
| 1989 | STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES | | 2 70 |

THERMODYNAMIC CRITERION

- | | | | |
|------|---|--------------------|-------|
| 1976 | A THERMODYNAMIC CRITERION FOR THE GLASS-TRANSITION TEMPERATURE. | CHRISTENSEN, R. M. | 6 388 |
|------|---|--------------------|-------|

THERMOELECTRIC GENERATORS

- | | | | |
|------|---|---|------|
| 1989 | STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES | HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. BATTELLE COLUMBUS LABS. | 2 69 |
| 1989 | STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES | | 2 70 |

THERMONUCLEAR DEVICES

- | | | | |
|------|--|---|-------|
| 1974 | LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY | KNOBLOCH, A. / KOTTMAIR, M. / SCHLUETER, W. / VAU, G. | 3 173 |
|------|--|---|-------|

THERMONUCLEAR REACTORS

- | | | | |
|------|--|---|-------|
| 1973 | INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS | RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H. | 3 156 |
| 1974 | COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR NUCLEAR FUSION RESEARCH | MIYAHARA, A. / BANNAI, E. / KITANO, Y. | 3 158 |
| 1975 | FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION. RESEARCH PROGRESS REPORT FF-3 | ELECTRIC POWER RESEARCH INST. | 3 192 |

THERMOSETTING RESINS

- | | | | |
|------|---|-------------------------|-------|
| 1975 | CHARACTERIZATION PROCEDURE FOR THERMOSETTING RESINS | PENN, L. S. / NEWBY, H. | 6 383 |
|------|---|-------------------------|-------|

THOMAS, R. L.

- | | | | |
|------|--------------------------------|---------------------------|-------|
| 1968 | OFF-AXIS TEST OF A COMPOSITE | WU, E. M. / THOMAS, R. L. | 6 270 |
| 1969 | INTERFACIAL FRACTURE PHENOMENA | WU, E. M. / THOMAS, R. L. | 6 273 |

THREE DIMENSIONAL FINITE

- | | | | |
|------|--|---------------|-------|
| 1974 | THE APPLICATION OF THREE DIMENSIONAL FINITE ELEMENT ANALYSIS TO THE MICRO-MECHANICS OF FIBROUS COMPOSITE MATERIALS | LARDER, R. A. | 6 343 |
|------|--|---------------|-------|

THREE MILE ISLAND-2 REACTOR

- | | | | |
|------|--|-------------------------|-------|
| 1975 | THREE MILE ISLAND NUCLEAR STATION, UNIT 2. RO INSPECTION REPORT NO. 75-01 AND CORRESPONDENCE | METROPOLITAN EDISON CO. | 3 182 |
| 1975 | THREE MILE ISLAND NUCLEAR STATION, UNIT 2. LICENSE APPLICATION, FSAR, AMENDMENT 27 | METROPOLITAN EDISON CO. | 2 127 |

THUR, G. M.

- | | | | |
|------|---|------------------------------|-------|
| 1974 | ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES | STERNLICHT, B. / THUR, G. M. | 2 119 |
|------|---|------------------------------|-------|

THYRISTOR INVERTOR- RECUPERATIVE

- | | | | |
|------|-----------------|-----------|-------|
| 1975 | DYNAMIC BRAKING | KALRA, P. | 2 125 |
|------|-----------------|-----------|-------|

TIDAL ENERGY

- | | | | |
|------|--|-----------------------------|-------|
| 1974 | ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY | PENNER, S. S. / ICERMAN, L. | 5 243 |
|------|--|-----------------------------|-------|

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

TIDAL POWERS			
1974	STORAGE OF HIGH-GRADE ENERGY	MCALLAN, J. V.	5 245
TIMBERLAKE, A. B.			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.	2 69
TIME -BREAK-DATA			
1972	STRESS RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS: TIME - BREAK-DATA.	CHIAO, T. T. / MOORE, R. L.	6 300
TIME REQUIREMENTS			
1983	DETERMINING INERTIA AND TIME REQUIREMENTS FOR FLYWHEEL MACHINES	SPOTTS, M. F.	1 1
TIME-DEPENDENT BOUNDARY CONDITIONS			
1967	APPLICATION OF THE METHOD OF TIME-DEPENDENT BOUNDARY CONDITIONS IN LINEAR VISCOELASTICITY.	CHRISTENSEN, R. M.	6 263
TIN, W. C.			
1975	ENERGY STORAGE DEVICE	TIN, W. C.	3 189
TODD, M. J.			
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4 234
TOLAND, R. H.			
1969	A RANDOM WALK MODEL IN RANDOM VIBRATION	TOLAND, R. H. / YANG, C. Y.	6 275
1971	A RANDOM WALK MODEL FOR FIRST-PASSAGE PROBABILITY	TOLAND, R. H. / YANG, C. Y.	6 289
1972	FAILURE MODES IN IMPACT LOADED COMPOSITE MATERIALS	TOLAND, R. H.	6 301
1972	NON-STATIONARY RANDOM VIBRATION OF NONLINEAR STRUCTURES	TOLAND, R. H. / YANG, C. Y. / HSU, C. S.	6 303
1972	DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE TRUSS	BURNS, J. M. / TOLAND, R. H.	6 304
1973	FAILURE CRITERIA AND FAILURE ANALYSIS OF COMPOSITE STRUCTURES	TOLAND, R. H. / VICARIO, A. A.	6 310
1973	INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE MATERIALS	TOLAND, R. H.	6 319
1974	PROBABILISTIC DESIGN OF COMPOSITE STRUCTURES	MAXWELL, R. / TOLAND, R. H. / JOHNSON, C. W.	6 329
TOLK, K. M.			
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H.	3 156
TOOLS			
1971	POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2 81
TORNADOES			
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3 180
TOROSSIAN, R.			
1975	MOMENTUM WHEELS	TOROSSIAN, R.	1 49
TORRES, F.			
1974	HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE	SCHRECK, H. / TORRES, F.	2 117
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2 133

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

TORSIONAL EIGENFREQUENCY		
1974	ITERATIVE PROCEDURES FOR CALCULATING THE FIRST TORSIONAL EIGENFREQUENCY OF A SHAFT WITH SEVERAL FLYWHEELS	ATZORI, B. / CURTI, G. 1 31
TORSIONAL VIBRATIONS		
1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUZOZHILOV, V. A. 1 29
TOTAL ENERGY SYSTEMS		
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W. / MORASH, R. T. / BARBER, R. J. 3 159
TOUGHNESS IN UNIDIRECTIONAL		
1971	FRACTURE TOUGHNESS IN UNIDIRECTIONAL GLASS-REINFORCED PLASTICS	SANFORD, R. J. / STONESIFER, F. R. 6 287
TRAIN		
1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C. 2 92
TRAIN'S ENERGY		
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P. 2 108
TRAINS		
1964	ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT	MARLOWE, E. W. 2 61
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM	2 83
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL. 2 116
TRANSFER LINE		
1965	TRANSFER LINE FOR SHORT RUNS	AM. MACH. 2 63
TRANSFERENCE OF ENERGY		
1975	VEHICLE POWER SYSTEM FOR LIMITED VEHICLE MOVEMENT WITHOUT USE OF FUEL	STROHLEIN, J. N. 2 126
TRANSFORMERS ENERGY STORAGE		
1961	AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION	ROES, J. B. 4 210
TRANSIENT RESPONSE		
1966	PREDICTION OF THE TRANSIENT RESPONSE OF A LINEAR VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G. 6 260
TRANSIENTS		
1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P. 2 66
1970	FLYWHEEL GENERATORS FOR INSTANT POWER	ASHMOLE, P. H. 3 145
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C. 3 178
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO. 3 180
TRANSIT		
1964	ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT	MARLOWE, E. W. 2 61
1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P. 2 66
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL. 2 116

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

TRANSIT BUSES			
1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2 66
TRANSIT CONFERENCE			
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2 116
TRANSITION TEMPERATURE			
1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5 242
TRANSLATIONAL AND ROTATIONAL			
1964	THE DYNAMIC RESPONSE OF A SOLID, VISCOELASTIC SPHERE TO TRANSLATIONAL AND ROTATIONAL EXCITATION.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 257
TRANSMISSION			
1971	FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEM	MECHANICAL TECHNOLOGY, INC.	2 82
1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP.	3 149
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2 86
TRANSMISSION COUPLED STANDBY			
1971	HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT	DYNAMICS CORP.	3 149
TRANSMISSION EVALUATION			
1972	HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I. FINAL REPORT	CORDNER, M. A. / GRIMM, D. H.	2 86
TRANSMISSION LINES			
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3 207
TRANSPORT			
1974	ENERGY STORAGE. (II): DEVELOPING ADVANCED TECHNOLOGIES	ROBINSON, A. L.	3 166
TRANSPORTATION			
1972	APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J.	2 69
1973	HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL TIME TRANSPORTATION	LINDSLEY, E. F.	2 97
1973	KINETIC ENERGY STORAGE: A 'NEW' PROPULSION ALTERNATIVE FOR MASS TRANSPORTATION	LAWSON, L. J.	2 98
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2 120
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J.	2 122
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2 128
TRANSPORTATION SYSTEMS			
1971	POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2 81
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2 120
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2 128
TRAYSER, D. A.			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.	2 69

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

TRIANGLE CANTILEVER PLATE			
1983	VIBRATION OF A 45-DEG. RIGHT TRIANGLE CANTILEVER PLATE BY A GRIDWORK METHOD.	CHRISTENSEN, R. M.	6 255
TRIDENT			
1975	KEVLAR/EPOXY AND KEVLAR/GRAPHITE/EPOXY COMPOSITES FOR THE C-4 (TRIDENT) CHAMBER PROGRAM	CLEMENTS, L. L./ MOORE, R. L./ MONES, E. T./CHIAO, T. T.	6 353
TRIES OUT FLYWHEEL			
1975	NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	RAILWAY GAZETTE INTERNATIONAL	2 123
TROLL, J. H.			
1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3 170
TROLLEY BUS			
1974	KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE	BAXTER, J. W. / LAWSON, L. J.	2 107
TROLLEYS PORTABLE ELECTRICITY			
1970	HIGH-SPEED ENERGY WHEEL OFFERS TROLLEYS PORTABLE ELECTRICITY	PRODUCT ENGINEERING	2 72
TRUCKS			
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L./BRANDT, A./GEORGE, J. F./PERINI, L. L.	2 80
TRUSS			
1972	DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE TRUSS	BURNS, J. M./ TOLAND, R. H.	6 304
TRW SPACE TECHNOLOGY LABS.			
1959	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2 60
TSAI, S. W.			
1971	A GENERAL THEORY OF STRENGTH FOR ANISOTROPIC MATERIALS	TSAI, S. W. / WU, E. M.	6 279
TUNING			
1971	MINIMIZATION OF MECHANISM OSCILLATIONS THROUGH FLYWHEEL TUNING	MAHIG, J.	1 16
TURBINE			
1959	COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN APPLICATION.	FRUKTOW, N. N.	2 60
TURBINES			
1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3 160
1978	ENERGY STORAGE	KALHAMMER, F. R. / SCHNEIDER, T. R.	5 251
TURBOMACHINERY			
1970	APPLICATION OF AIR BEARINGS TO HIGH SPEED TURBOMACHINERY	BARNETT, M. A. / SILVER, A.	1 13
TWO ANGLE WOUND			
1987	THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF TWO ANGLE WOUND PIPE	CHIAO, T. T.	6 265

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

TWO-PHASE DC CHOPPER 1973 APPLICATION OF TWO-PHASE DC CHOPPER MOTOR DRIVE	REIMERS, E.	2	95
U. S. NAVAL MISSILE CENTER 1964 GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2	62
U.S. A.E.C. ,DIVISION OF APPLIED TECHNOLOGY 1974 ENERGY STORAGE TECHNOLOGY	VANDERRYN, J.	3	171
ULTIMATE TENSILE STRESS 1971 STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/ EPOXY STRANDS	CHIAO, T. T./MOORE, R. L.	6	285
ULTRA-HIGH-STRENGTH GRAPHITE FIBER 1974 TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6	337
ULTRAHIGH TEMPERATURE 1974 ULTRAHIGH TEMPERATURE	RYLANDER, H.G./WOODSON, H.H./BECKER, E. B./ROWBERG, R.	3	163
ULTRAHIGH-STRENGTH GRAPHITE FIBER 1974 TENSILE PROPERTIES OF AN ULTRAHIGH-STRENGTH GRAPHITE FIBER AN EPOXY MATRIX	CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.	6	344
ULTRASONIC TESTING 1975 THREE MILE ISLAND NUCLEAR STATION, UNIT 2, RO INSPECTION REPORT NO. 75-01 AND CORRESPONDENCE	METROPOLITAN EDISON CO.	3	182
UNCONVENTIONAL ENERGY RESOURCES 1976 ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.	5	252
UNCONVENTIONAL THERMAL 1969 STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW- POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J.A./CHEANEY, E.S./CRESWICK, F. A./TRAYSER, D.A./FISCHER, R.D. /TIMBERLAKE, A.B./BASHAM, S.J. /HERRIDGE, J.T. /WILCOX, J. P. BATTELLE COLUMBUS LABS.	2	69
1969 STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW- POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES		2	70
UNDER BI-AXIAL LOADING 1972 FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL LOADING	CHIAO, T. T./COMMINS, A.D.	6	308
UNDER COMPRESSION 1971 FRACTURE CRITERIA FOR ORTHOTROPIC PLATE UNDER COMPRESSION AND SHEAR	WU, E. M.	6	281
UNDERGROUND POWER TRANSMISSION 1974 ELECTRIC POWER SYSTEMS	ERDA	3	179
UNDERGROUND PUMPED STORAGE 1974 ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS	HAYDOCK, J. L.	3	172

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

UNIAXIAL TENSION			
1972	FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL LOADING	CHIAO, T. T./COMINS, A.D.	6 308
UNIDIRECTIONAL COMPOSITES			
1968	DISCONTINUOUS MODE OF CRACK EXTENSION IN UNIDIRECTIONAL COMPOSITES	WU, E. M.	6 267
1969	SOME UNIQUE CRACK PROPAGATION PHENOMENA IN UNIDIRECTIONAL COMPOSITES AND THEIR MATHEMATICAL CHARACTERIZATION	WU, E. M.	6 272
1971	STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/EPOXY STRANDS	CHIAO, T. T./MOORE, R. L.	6 285
UNIDIRECTIONAL GLASS-REINFORCED PLASTICS			
1971	FRACTURE TOUGHNESS IN UNIDIRECTIONAL GLASS-REINFORCED PLASTICS	SANFORD, R. J. / STONESIFER, F. R.	6 287
UNIFORM-STRESS SPINNING FILAMENTARY			
1964	THE UNIFORM-STRESS SPINNING FILAMENTARY DISK	KYSER, A. C.	1 3
UNINTERRUPTIBLE AND BUFFERED			
1974	MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS	COMEAU, G. E.	3 162
UNINTERRUPTIBLE POWER SYSTEM			
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3 155
UNIQUE CRACK PROPAGATION			
1969	SOME UNIQUE CRACK PROPAGATION PHENOMENA IN UNIDIRECTIONAL COMPOSITES AND THEIR MATHEMATICAL CHARACTERIZATION	WU, E. M.	6 272
UNIT FOR SPACECRAFT			
1975	DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR SPACECRAFT APPLICATION.	CORMACK, A. / NOTTI, J. E. / RUIZ, M. L.	4 239
UNIT SUPPLEMENTS AIRCRAFT			
1969	WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4 217
UNIV. OF FLORIDA, GAINESVILLE			
1971	MINIMIZATION OF MECHANISM OSCILLATIONS THROUGH FLYWHEEL TUNING	MAHIG, J.	1 16
UNIV. OF MASSACHUSETTS			
1975	WIND POWER	HERONEMUS, W. E.	5 249
UNIV. OF TEXAS			
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, X. M. / WELDON, W. F. / WOODSON, H. H.	3 156
1974	ULTRAHIGH TEMPERATURE	RYLANDER, H. G. / WOODSON, H. H. / BECKER, E. B. / ROWBERG, R.	3 163
URBAN AREAS			
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES. FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2 75
1974	KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION	LAWSON, L. J.	2 120

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

URBAN TRANSPORT			
1974	ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.	LAWSON, L. J. / ET AL.	2 116
URBAN TRANSPORTATION			
1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5 243
URBAN VEHICLES			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. / BATTELLE COLUMBUS LABS.	2 69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES. FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2 75
US ERDA			
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZRICK, P. A.	5 247
USAEC			
1974	ELECTRIC POWER SYSTEMS	ERDA	3 179
USAEC DIVISION OF APPLIED TECHNOLOGY			
1974	GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND IMPLEMENTATION PLANS	ERDA/DAT	5 244
USE OF ENERGY			
1975	INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF ENERGY MANAGEMENT	BEACHLEY, N. H. / FRANK, A. A.	2 128
USE OF FLYWHEELS			
1974	USE OF FLYWHEELS FOR ENERGY STORAGE	RABENHORST, D. W.	3 175
USE OF FUEL			
1975	VEHICLE POWER SYSTEM FOR LIMITED VEHICLE MOVEMENT WITHOUT USE OF FUEL	STROHLEIN, J. N.	2 126
USE OF NUMERIC			
1976	RESEARCH LEADING TO THE PRODUCTION AND EARLY USE OF NUMERIC DATA BANKS OF MATERIAL PROPERTIES AND SYSTEM ANALYSES	HENRY, E. A.	1 58
UTILITIES EYE LARGE-SCALE			
1975	UTILITIES EYE LARGE-SCALE ENERGY STORAGE	RICCI, L. J.	3 184
UTILITY INDUSTRY			
1975	DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY	EPRI	3 187
UTILITY POWER GRIDS			
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3 207
UTILITY SYSTEMS			
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3 176
1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3 177

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

UTILITY SYSTEMS (CONTD.)

UTILIZATION OF KINETIC

1970	ACHIEVEMENTS AND PROSPECTS IN THE UTILIZATION OF KINETIC ENERGY	GROSU, S. I.	3	146
------	---	--------------	---	-----

UTILIZING

1972	INERTIAL ENERGY STORAGE APPARATUS AND SYSTEM FOR UTILIZING THE SAME	POST, R. F. / POST, S. F.	2	88
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2	91

UTILIZING RECONNECTIBLE MOTOR

1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2	91
------	---	-------------	---	----

VA. POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG

1972	TWO NEW WEAPONS AGAINST AUTOMOTIVE AIR POLLUTION: THE HYDROSTATIC DRIVE AND THE FLYWHEEL-ELECTRIC LDV.	WHITLAW, R. L.	2	90
------	--	----------------	---	----

VACUUM

1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4	234
1974	THE LUBRICATION OF BEARINGS AND SLIP RINGS IN VACUUM	ODONNELL, P. J. / HARRIS, L. C. / WARWICK, M. G.	1	38

VACUUM QUALIFICATION TESTS

1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4	234
------	--	-----------------------------	---	-----

VAN ES, H. E.

1973	A CRITICAL TEST FOR A CLASS OF NONLINEAR CONSTITUTIVE EQUATIONS	CHRISTENSEN, R. M. / VAN ES, H. E.	6	312
------	---	------------------------------------	---	-----

VANDERRYN, J.

1974	ENERGY STORAGE TECHNOLOGY	VANDERRYN, J.	3	171
------	---------------------------	---------------	---	-----

VANDERWAL, U.

1975	APPLICATION SPIRAL-GROOVE BEARINGS ON SPACECRAFT	VANDERWAL, U.	4	236
------	--	---------------	---	-----

VARIATIONAL AND MINIMUM

1968	VARIATIONAL AND MINIMUM THEOREMS FOR THE LINEAR THEORY OF VISCOELASTICITY	CHRISTENSEN, R. M.	6	269
------	---	--------------------	---	-----

VARIATIONS

1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3	178
------	--	------------------------------------	---	-----

VARIATOR

1974	SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR	GULIA, N. V. / YUDOVSKII, I. D.	2	104
------	---	---------------------------------	---	-----

VAU.G.

1974	LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY	KNOBLOCH, A. / KOTTMAIR, M. / SCHLUETER, W. / VAU.G.	3	173
------	--	--	---	-----

VDI

1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	160
------	--	-----	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

VDI (CONTD.)

VDI (VER. DTSCH. ING.)

1974	STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE SYSTEMS	VDI	3	160
------	--	-----	---	-----

VEHICLE

1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2	83
1971	ELECTRIC ROAD VEHICLE	CALVERT, W. L.	2	84
1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C.	2	92
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S.	2	100
1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R. / FLEMING, R. D.	2	102
1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2	106
1975	VEHICLE POWER SYSTEM FOR LIMITED VEHICLE MOVEMENT WITHOUT USE OF FUEL	STROHLEIN, J. N.	2	126
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2	133

VEHICLE DRIVE

1974	BATTERY POWERED VEHICLE DRIVE	DEANE, C. T.	2	106
1976	HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE	SCHRECK, H. / TORRES, F.	2	133

VEHICLE DRIVES

1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79
------	--	---------------	---	----

VEHICLE HYBRID POWER

1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C.	2	92
------	-------------------------------------	---------------	---	----

VEHICLE MOVEMENT

1975	VEHICLE POWER SYSTEM FOR LIMITED VEHICLE MOVEMENT WITHOUT USE OF FUEL	STROHLEIN, J. N.	2	126
------	--	------------------	---	-----

VEHICLE POWER SYSTEM

1975	VEHICLE POWER SYSTEM FOR LIMITED VEHICLE MOVEMENT WITHOUT USE OF FUEL	STROHLEIN, J. N.	2	126
------	--	------------------	---	-----

VEHICLE SYMPOSIUM

1971	PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM		2	83
------	---	--	---	----

VEHICLE USE

1974	EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID VEHICLE USE	ALLSUP, J. R. / FLEMING, R. D.	2	102
------	---	--------------------------------	---	-----

VEHICLES

1964	GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE	MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.	2	62
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW- POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P. BATTELLE COLUMBUS LABS.	2	69
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW- POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES		2	70
1970	SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN VEHICLES, FINAL REPORT.	FRAIZE, W. E. / LAY, R. K.	2	75
1970	NEW CONCEPTS IN MECHANICAL ENERGY STORAGE	RABENHORST, D. W.	1	12
1971	FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS FOR LOW-EMISSION VEHICLES	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L.	2	80
1971	DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES	LAWSON, L. J.	2	79

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

VEHICLES (CONTD.)

1971	POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL	RABENHORST, D. W.	2	81
1971	ELECTRIC ROAD VEHICLE	CALVERT, W. L.	2	84
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L. / RABENHORST, D. W. / SMALL, T. R. / WEISS, R. O.	1	18
1972	INERTIAL ENERGY STORAGE APPARATUS AND SYSTEM FOR UTILIZING THE SAME	POST, R. F. / POST, S. F.	2	88
1972	APPLICATION OF KINETIC ENERGY PROPULSION TO MASS TRANSPORTATION	LAWSON, L. J.	2	89
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2	91
1973	ELECTRIC VEHICLE HYBRID POWER TRAIN	KUGLER, G. C.	2	92
1973	FLYWHEEL-ELECTRIC SYSTEM FOR LOCAL-DUTY VEHICLES	AUTOMOTIVE ENG.	2	93
1973	IS THERE A FLYWHEEL IN YOUR FUTURE	LAWSON, L. J.	2	94
1973	APPLICATION OF TWO-PHASE DC CHOPPER MOTOR DRIVE	REIMERS, E.	2	95
1973	INERTIAL ENERGY STORAGE APPARATUS	POST, S. F.	2	96
1973	HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL TIME TRANSPORTATION	LINDSLEY, E. F.	2	97
1973	STORED ENERGY IN A SPINNING DISK COULD ALLEVIATE THE ENERGY CRISIS	PRODUCT ENGINEERING	2	99
1973	FLYWHEELS	POST, R. F. / POST, S. F.	1	26
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S.	2	100
1974	GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES	GULIA, N. V. ET AL	2	105
1974	KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE	BAXTER, J. W. / LAWSON, L. J.	2	107
1974	FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS	ARMAGNAC, A. P.	2	108
1974	A FLYWHEEL IN YOUR FUTURE	NEWSWEEK	2	109
1974	ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS	BADER, C. / PLUST, H. G.	2	111
1974	HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND DYNAMIC OPERATION	HELLING, J. / SCHRECK, H. / GIERA, B.	2	110
1974	CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS	AEROSPACE CORP.	2	113
1974	STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE FLYWHEEL VEHICLES	LAPEDES, D. E. / MELTZER, J.	2	118
1974	SUPERFLYWHEEL: THE BATTERY THAT SPINS	LAMPE, D.	1	38
1974	FLYWHEEL ENERGY SYSTEMS	BIGGS, F.	1	37
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J.	2	122
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETZTRICK, P. A.	5	247
1975	ENERGY-STORAGE SYSTEMS	PENNER, S. S. / ICERMAN, L.	5	248
1975	NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE	RAILWAY GAZETTE INTERNATIONAL	2	123
1975	HYBRID VEHICLES	VIVIAN, H. C.	2	131
1975	POWER PLANT	ARIGA, H.	3	197
1975	AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN ELECTRIC POWER TECHNOLOGY	PEZDIRTZ, G. F.	3	199
1976	ENERGY STORAGE	AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.	5	252

VELOCITIES

1975	ESTIMATING THE VELOCITIES OF THE CONTROL FLYWHEELS OF A FREE GYROSTAT	LITVIN-SEDOV, M. Z.	1	39
------	---	---------------------	---	----

VENTILATION

1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3	180
------	--	---------------------------------	---	-----

VESSEL

1973	FILAMENT-WOUND VESSEL FROM AN ORGANIC FIBER/EPOXY SYSTEM	CHIAO, T. T. / MARCON, M. A.	6	317
1974	A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN ORGANIC FIBER/EPOXY PRESSURE VESSEL	HAMSTAD, M. A. / CHIAO, T. T.	6	333
1975	HOLOGRAPHIC EXAMINATION OF A COMPOSITE PRESSURE VESSEL	MEYER, M. D. / KATAYANAGI, T. E.	6	360

VESSELS

1973	FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN SYSTEM	CHIAO, T. T. / HAMSTAD, M. A. / MARCON, M. A. / HANAFEE, JR.	6	323
------	---	--	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

VESSELS (CONTD.)

1974	ORGANIC FIBER/EPOXY PRESSURE VESSELS	CHIAO, T. T./ HAMSTAD, M. A./MARCON, M. A.	6	336
1974	POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT	HAMSTAD, M. A./ CHIAO, T. T./JESSOP, E. S.	6	338
1974	FATIGUE PERFORMANCE OF METAL-LINED GRAPHITE/EPOXY VESSELS	HAMSTAD, M. A./ CHIAO, T. T. /PATTERSON, R.	6	339
1975	HIGH PERFORMANCE VESSELS FROM AN AROMATIC POLYAMIDE FIBER/EPOXY COMPOSITE	CHIAO, T. T./HAMSTAD, M. A.	6	351
1975	FATIGUE LIFE OF ORGANIC FIBER/EPOXY PRESSURE VESSELS	HAMSTAD, M. A./ CHIAO, T. T. /PATTERSON, R. G.	6	354
1975	PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER IN SEVERAL EPOXY MATRICES	CHIAO, T. T./ JESSOP, E. S./HAMSTAD, M. A.	6	357

VESSELS FOR NITROGEN

1974	POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN CONTAINMENT	HAMSTAD, M. A./ CHIAO, T. T./JESSOP, E. S.	6	338
------	--	--	---	-----

VIA FLYWHEELS

1973	ENERGY STORAGE VIA FLYWHEELS	GILMAN, J. J./ HUCKE, E. E.	3	154
------	------------------------------	-----------------------------	---	-----

VIBRATION

1963	VIBRATION OF A 45-DEG. RIGHT TRIANGLE CANTILEVER PLATE BY A GRIDWORK METHOD.	CHRISTENSEN, R. M.	6	255
1969	A RANDOM WALK MODEL IN RANDOM VIBRATION	TOLAND, R. H. / YANG, C. Y.	6	275
1972	NON-STATIONARY RANDOM VIBRATION OF NONLINEAR STRUCTURES	TOLAND, R. H./ YANG, C. Y./ HSU, C. S.	6	303

VIBRATION OF NONLINEAR

1972	NON-STATIONARY RANDOM VIBRATION OF NONLINEAR STRUCTURES	TOLAND, R. H./ YANG, C. Y./ HSU, C. S.	6	303
------	---	--	---	-----

VIBRATIONS

1974	METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT WITH A NON-LINEAR SILICONE DAMPER	SHIRAEV, M. P. / KHUDOZHILOV, V. A.	1	29
------	--	-------------------------------------	---	----

VIBRATOR SAVES POWER

1968	CAPTURED LOAD RESILIENCE OF A HYDRAULIC VIBRATOR SAVES POWER	LANKESTER, J. A.	1	9
------	--	------------------	---	---

VICARIO, A. A.

1973	FAILURE CRITERIA AND FAILURE ANALYSIS OF COMPOSITE STRUCTURES	TOLAND, R. H./ VICARIO, A. A.	6	310
------	---	-------------------------------	---	-----

VISCOELASTIC CYLINDER

1965	RESPONSE TO PRESSURIZATION OF A VISCOELASTIC CYLINDER WITH AN ERODING INTERNAL BOUNDARY.	CHRISTENSEN, R. M. / SCHREINER, R. N.	1	5
------	--	---------------------------------------	---	---

VISCOELASTIC DEFORMATION

1963	SOME INTERESTING ASPECTS OF GENERAL LINEAR VISCOELASTIC DEFORMATION	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6	254
------	---	--	---	-----

VISCOELASTIC FLUIDS

1973	A SPECIAL THEORY OF VISCOELASTIC FLUIDS FOR APPLICATION TO SUSPENSION.	CHRISTENSEN, R. M.	6	313
------	--	--------------------	---	-----

VISCOELASTIC PROPERTIES

1969	VISCOELASTIC PROPERTIES OF HETEROGENEOUS MEDIA	CHRISTENSEN, R. M.	6	274
------	--	--------------------	---	-----

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

VISCOELASTIC RELAXATION FUNCTIONS

1972 RESTRICTIONS UPON VISCOELASTIC RELAXATION FUNCTIONS AND COMPLEX MODULI.	CHRISTENSEN, R. M.	6 293
--	--------------------	-------

VISCOELASTIC SOLID

1984 AN EXPERIMENT FOR DETERMINATION OF THE MECHANICAL PROPERTY IN SHEAR FOR A LINEAR ISOTROPIC VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 256
1986 PREDICTION OF THE TRANSIENT RESPONSE OF A LINEAR VISCOELASTIC SOLID.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 280

VISCOELASTIC SOLIDS

1987 LINEAR NON-ISOTHERMAL VISCOELASTIC SOLIDS	CHRISTENSEN, R. M. / NAGHD1, P. M.	6 284
--	------------------------------------	-------

VISCOELASTIC SPHERE

1984 THE DYNAMIC RESPONSE OF A SOLID, VISCOELASTIC SPHERE TO TRANSLATIONAL AND ROTATIONAL EXCITATION.	CHRISTENSEN, R. M. / GOTTENBERG, W. G.	6 257
---	--	-------

VISCOELASTICITY

1987 APPLICATION OF THE METHOD OF TIME-DEPENDENT BOUNDARY CONDITIONS IN LINEAR VISCOELASTICITY.	CHRISTENSEN, R. M.	6 283
1988 ON OBTAINING SOLUTIONS IN NONLINEAR VISCOELASTICITY.	CHRISTENSEN, R. M.	6 288
1988 VARIATIONAL AND MINIMUM THEOREMS FOR THE LINEAR THEORY OF VISCOELASTICITY	CHRISTENSEN, R. M.	6 289
1971 THEORY OF VISCOELASTICITY: AN INTRODUCTION	CHRISTENSEN, R. M.	6 282

VIVIAN, H. C.

1975 HYBRID VEHICLES	VIVIAN, H. C.	2 131
----------------------	---------------	-------

WAALS, F. M.

1972 EFFECTIVE STIFFNESS OF RANDOMLY ORIENTED FIBRE COMPOSITES	CHRISTENSEN, R. M. / WAALS, F. M.	6 292
--	-----------------------------------	-------

WADA, W. T.

1972 FLYWHEEL DRIVE SYSTEMS STUDY.FINAL REPORT	GILBERT, R. R./HEUER,G.E./JACOBSEN, E. H./KUHN, E.B./LAWSON, L. J./WADA, W. T.	2 87
1972 HIGH PERFORMANCE HELICOPTER HOIST PROGRAM	LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M. R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.	4 228

WALK

1969 A RANDOM WALK MODEL IN RANDOM VIBRATION	TOLAND, R. H. / YANG, C. Y.	6 275
1971 A RANDOM WALK MODEL FOR FIRST-PASSAGE PROBABILITY	TOLAND, R. H. / YANG, C. Y.	6 289

WALKER, R. E.

1971 RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS REPORT, 1 JAN.--31 MAR. 1971	NOYES, C. F. / WALKER, R. E. / PIRKLE, J.C. / FRAZER, R. / RUBINSTEIN, N.	5 241
---	---	-------

WALKUP, C. M.

1973 GRAPHITE FIBER/EPOXY COMPOSITES	CHIAO, T. T./ MOORE, R. L./WALKUP, C. M.	6 321
1973 MATERIALS EVALUATION FOR 2X11B MAGNET	CHIAO, T. T./ WALKUP, C. M./NEWBY, H. A.	6 322

WANKEL ENGINES

1974 CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.	LAPEDES,D.E./HINTON,M.G./MELTZER,J. /IURA,T.	2 115
1974 ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES	STERNLICHT,B./THUR,G.M.	2 119

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

WARWICK, M. G.			
1974	THE LUBRICATION OF BEARINGS AND SLIP RINGS IN VACUUM	ODONNELL, P. J. / HARRIS, L. C. / WARWICK, M. G.	1 38
WASHBURN, D. C.			
1971	OPERATING LARGE EXCAVATORS ON SMALL POWER SYSTEMS	KILGORE, L. A. / WASHBURN, D. C.	3 148
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3 178
WASTE HEAT			
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W. / MORASH, R. T. / BARBER, R. J.	3 159
WATER RESERVOIRS			
1974	ENERGY STORAGE. (1): USING ELECTRICITY MORE EFFICIENTLY	ROBINSON, A. L.	3 185
1974	ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR APPLICATION ON ELECTRIC UTILITY SYSTEMS	FERNANDES, R. A. / GILDERSLEEVE, O. D. / SCHNEIDER, T. R.	3 176
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G. C. / HART, A. B. / MOFFITT, R. D. / WRIGHT, J.	3 186
WAVE PROPAGATION			
1974	WAVE PROPAGATION IN ELASTIC MEDIA WITH A PERIODIC ARRAY OF DISCRETE INCLUSIONS	CHRISTENSEN, R. M.	6 331
1976	WAVE PROPAGATION IN LAYERED ELASTIC MEDIA	CHRISTENSEN, R. M.	6 370
WAVES IN LAYERED			
1973	ATTENUATION OF HARMONIC WAVES IN LAYERED MEDIA	CHRISTENSEN, R. M.	6 314
WEBER, R.			
1974	FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE	WEBER, R. / MENKES, S.	2 100
WEDGE			
1986	DEFORMATION OF AN ELASTIC SPHERICAL WEDGE.	CHRISTENSEN, R. M.	1 6
1987	LARGE ELASTIC DEFORMATION OF A SPHERICAL WEDGE	CHRISTENSEN, R. M.	1 7
WEHDE, HEINZ			
1971	THE DRALLRAD: A FLYWHEEL FOR THE STABILIZATION OF SYNCHRONOUS SATELLITES	WEHDE, HEINZ	4 222
WEIBULL ANALYSIS			
1973	STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T. / WELLS, J. E. / MOORE, R. L. / HAMSTAD, M. A.	6 318
WEIGHT			
1989	WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4 217
1975	HYBRID VEHICLES	VIVIAN, H. C.	2 131
WEIGHT IS SAVED			
1989	WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.	HELSLEY, C. W.	4 217
WEISS, R. O.			
1972	HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION SYSTEMS FOR VEHICLES. FINAL REPORT	DUGGER, G. L. / BRANDT, A. / GEORGE, J. F. / PERINI, L. L. / RABENHORST, D. W. / SMALL, T. R. / WEISS, R. O.	1 18

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

WELDON, W. F.			
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H. G. / ROWBERG, R. E. / TOLK, K. M. / WELDON, W. F. / WOODSON, H. H.	3 156
WELLS, J. E.			
1973	STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC FIBER/EPOXY MATRIX	CHIAO, T. T. / WELLS, J. E. / MOORE, R. L. / HAMSTAD, M. A.	6 318
WESTINGHOUSE ELECTRIC CORP.			
1974	CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD COMPENSATION ON AC POWER SYSTEMS	FINLAYSON, P. T. / WASHBURN, D. C.	3 178
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3 195
WETHERBEE, A. E.			
1969	FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE	SVENSSON, A. / WETHERBEE, A. E.	3 142
WEYLER, GEORGE M. JR. PATENT APPLICATION 14 NOV 1975			
1975	AN IMPROVED ROTATABLE MASS FOR A FLYWHEEL	WEYLER, GEORGE M. JR. PATENT APPLICATION 14 NOV 1975	1 51
WHEEL			
1970	HIGH-SPEED ENERGY WHEEL OFFERS TROLLEYS PORTABLE ELECTRICITY	PRODUCT ENGINEERING	2 72
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228
1974	SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR BUS APPLICATION	NATIONAL ACADEMY OF SCIENCES	2 103
1974	FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED SPIRAL GROOVE BEARING MOMENTUM WHEEL	BOLLEN, J. A. C.	4 230
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4 234
1975	THE KINETIC ENERGY WHEEL	LAWSON, L. J.	2 122
1975	DESIGN AND DEVELOPMENT OF A MOMENTUM WHEEL WITH A MAINLY PASSIVE MAGNETIC BEARING FINAL REPORT	ESA	1 45
1975	MAGNETICALLY SUSPENDED LARGE MOMENTUM WHEEL	SABNIS, A. V. / DENDY, J. B. / SCHMITT, F. M.	4 238
WHEEL MOTOR CURRENT			
1973	CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT CONTROL UNIT	HAINES, J. E.	4 228
WHEEL OFFERS TROLLEYS			
1970	HIGH-SPEED ENERGY WHEEL OFFERS TROLLEYS PORTABLE ELECTRICITY	PRODUCT ENGINEERING	2 72
WHEELS			
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2 91
1973	NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH CAPACITY KINETIC ENERGY WHEELS	LAWSON, L. J.	3 155
1975	STUDY OF DOUBLE GIMBALLED MOMENTUM WHEELS IN THE ATTITUDE AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION SATELLITE.	BOERSMA, G. / SONNENSCHNEIN, F. J.	4 237
1975	MOMENTUM WHEELS	TOROSSIAN, R.	1 49
WHILE CONSERVING CAPITAL			
1976	ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING CAPITAL AND RESOURCES	CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.	3 209

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

WHITFIELD					
1974	FLYWHEELS TAKE ON LIGHT AND POWERFUL NEW LEASE ON LIFE	WHITFIELD	1	32	
WHITLAW, R. L.					
1972	TWO NEW WEAPONS AGAINST AUTOMOTIVE AIR POLLUTION: THE HYDROSTATIC DRIVE AND THE FLYWHEEL-ELECTRIC LDV.	WHITLAW, R. L.	2	90	
WHITNEY					
1969	CHARACTERIZATION OF ANISOTROPIC COMPOSITES	HALPIN, J. C. / PAGANO / WHITNEY / WU, E. M.	6	271	
WILCOX, J. P.					
1967	FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES	WILCOX, J. P.	2	66	
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	HOESS, J. A. / CHEANEY, E. S. / CRESWICK, F. A. / TRAYSER, D. A. / FISCHER, R. D. / TIMBERLAKE, A. B. / BASHAM, S. J. / HERRIDGE, J. T. / WILCOX, J. P.	2	69	
WILSON, N. G.					
1974	THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-GIMBALLED MOMENTUM WHEEL	TODD, M. J. / WILSON, N. G.	4	234	
WIND					
1970	WIND UP CAR	HOHENEMSER, K. / MCCAULL, J.	2	71	
1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3	170	
1975	SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE APPLICATION	PUGET SOUND POWER AND LIGHT CO.	3	180	
1975	WIND POWER	HERONEMUS, W. E.	5	249	
1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	ZLOTNICK, M.	3	190	
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3	207	
WIND ENERGY CONVERSION					
1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	ZLOTNICK, M.	3	190	
WIND POWER					
1974	INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY	MARSHALL, O. W. / MORASH, R. T. / BARBER, R. J.	3	159	
1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3	170	
1975	ENERGY TECHNOLOGY II (NAVY APPLICATIONS)	PETRICK, P. A.	5	247	
1975	WIND POWER	HERONEMUS, W. E.	5	249	
WIND POWER CONVERSION					
1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3	170	
WIND TO ELECTRIC					
1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3	170	
WIND TURBINES					
1974	WIND POWER CONVERSION SYSTEM	TROLL, J. H.	3	170	
WIND UP CAR					
1970	WIND UP CAR	HOHENEMSER, K. / MCCAULL, J.	2	71	
WIND-GENERATED ELECTRICITY					
1976	ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-GENERATED ELECTRICITY INTO UTILITY POWER GRIDS	REED, J. J.	3	207	

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

WINDING APPLICATIONS			
1975	SCREENING OF EPOXY SYSTEMS FOR HIGH-PERFORMANCE FILAMENT WINDING APPLICATIONS	CHIAO, T. T. / JESSOP, E. S. / PENN, L. S.	6 355
WINDINGS IN WHEELS			
1973	HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR WINDINGS IN WHEELS	REIMERS, E.	2 91
WOOD TECHNOLOGY			
1972	THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE	RABENHORST, D. W.	1 19
WOOD, P.			
1975	AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED CONVERSION AND STORAGE TECHNOLOGY.	WOOD, P. / PELLY, B. R.	3 195
WOODSON, H.H.			
1973	INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER SUPPLY FOR CONTROLLED FUSION EXPERIMENTS	RYLANDER, H.G. / ROWBERG, R.E. / TOLK, K.M. / WELDON, W.F. / WOODSON, H.H.	3 156
1974	ULTRAHIGH TEMPERATURE	RYLANDER, H.G. / WOODSON, H.H. / BECKER, E. B. / ROWBERG, R.	3 163
WORKING FLUIDS			
1969	STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES	BATTELLE COLUMBUS LABS.	2 70
WORLD DEMAND			
1974	ENERGY. VOLUME I. DEMANDS, RESOURCES, IMPACT, TECHNOLOGY, AND POLICY	PENNER, S. S. / ICERMAN, L.	5 243
WORLD ENERGY CONFERENCE			
1974	NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY	LUCCHINI, A. P.	5 246
WOUND BOTTLES			
1973	ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT-WOUND BOTTLES	HAMSTAD, M. A. / CHIAO, T. T.	6 320
WOUND COMPOSITES			
1975	ELONGATED-RING SPECIMEN FOR TENSILE PROPERTIES OF FILAMENT-WOUND COMPOSITES	CLEMENTS, L. L. / MOORE, R. L. / CHIAO, T. T.	6 358
WOUND PIPE			
1967	THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF TWO ANGLE WOUND PIPE	CHIAO, T. T.	6 265
WRIGHT, J			
1975	STORING ELECTRICAL ENERGY ON A LARGE SCALE	GARDNER, G.C. / HART, A.B. / MOFFITT, R.D. / WRIGHT, J	3 166
WU, E. M.			
1965	A FRACTURE CRITERION FOR ORTHOTROPIC PLATES UNDER THE INFLUENCE OF COMPRESSION AND SHEAR	WU, E. M.	6 258
1965	CRACK EXTENSION IN FIBERGLASS-REINFORCED PLASTICS	WU, E. M. / REUTER, R. C.	6 259
1967	APPLICATION OF FRACTURE MECHANICS TO ANISOTROPIC PLATES	WU, E. M.	6 262
1968	FRACTURE MECHANICS OF ANISOTROPIC PLATES	WU, E. M.	6 266
1968	DISCONTINUOUS MODE OF CRACK EXTENSION IN UNIDIRECTIONAL COMPOSITES	WU, E. M.	6 267
1968	OFF-AXIS TEST OF A COMPOSITE	WU, E. M. / THOMAS, R. L.	6 270
1969	CHARACTERIZATION OF ANISOTROPIC COMPOSITES	HALPIN, J. C. / PAGANO / WHITNEY / WU, E. M.	6 271

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
CONCORDANCE ON TITLE, AUTHOR, ORGANIZATION AND KEYWORDS

WU, E. M. (CONTD.)

1969	SOME UNIQUE CRACK PROPAGATION PHENOMENA IN UNIDIRECTIONAL COMPOSITES AND THEIR MATHEMATICAL CHARACTERIZATION	WU, E. M.	6	272
1969	INTERFACIAL FRACTURE PHENOMENA	WU, E. M. / THOMAS, R. L.	6	273
1971	A GENERAL THEORY OF STRENGTH FOR ANISOTROPIC MATERIALS	TSAI, S. W. / WU, E. M.	6	279
1971	MEASUREMENT AND CONTROL OF DYNAMIC CRACKS IN COMPOSITES.	BRISSEY, F. L. / WU, E. M.	6	280
1971	FRACTURE CRITERIA FOR ORTHOTROPIC PLATE UNDER COMPRESSION AND SHEAR	WU, E. M.	6	281
1971	THE EFFECT OF SOLVENTS AND STRESS ON THE STRESS RUPTURE LIFE OF EPOXY-GLASS COMPOSITES	RUHMANN, D. C. / WU, E. M.	6	283
1971	COMPUTER AIDED MECHANICAL TESTING OF COMPOSITES	WU, E. M. / JERINA, K. J.	6	286
1972	KINETIC FAILURE PROCESSES OF POLYMERS	WU, E. M. / HALPIN, J. C.	6	290
1972	STRENGTH TENSORS AND THEIR INVARIANTS - THEORY AND EXPERIMENT	WU, E. M.	6	291
1972	OPTIMAL EXPERIMENTAL MEASUREMENT OF ANISOTROPIC FAILURE TENSORS	WU, E. M.	6	297
1973	DATA AVERAGING OF ANISOTROPIC MATERIAL CONSTANTS	WU, E. M. / JERINA, K. L. / LAVENGOOD, R. E.	6	311
1973	THE EFFECT OF STRESS ON DIFFUSION IN COMPOSITES - EXPERIMENTAL OBSERVATIONS.	RUHMANN, D. C. / WU, E. M.	6	315
1974	PHENOMENOLOGICAL ANISOTROPIC FAILURE CRITERION	WU, E. M.	6	326
1974	STRENGTH AND FRACTURE OF COMPOSITES	WU, E. M.	6	327
1974	FAILURE CRITERIA TO FRACTURE MODE ANALYSIS OF COMPOSITE MATERIALS	WU, E. M.	6	328
1974	LAMINATE STRENGTH - A DIRECT CHARACTERIZATION PROCEDURE	WU, E. M. / SCHUEBLEIN, J. K.	6	330
1974	STRESS RUPTURE OF GLASS/EPOXY COMPOSITES - ENVIRONMENT AND STRESS EFFECTS.	WU, E. M. / RUHMANN, D. C.	6	332

YANG, C. Y.

1969	A RANDOM WALK MODEL IN RANDOM VIBRATION	TOLAND, R. H. / YANG, C. Y.	6	275
1971	A RANDOM WALK MODEL FOR FIRST-PASSAGE PROBABILITY	TOLAND, R. H. / YANG, C. Y.	6	289
1972	NON-STATIONARY RANDOM VIBRATION OF NONLINEAR STRUCTURES	TOLAND, R. H. / YANG, C. Y. / HSU, C. S.	6	303

YUDOVSKII, I. D.

1974	SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR	GULIA, N. V. / YUDOVSKII, I. D.	2	104
------	---	---------------------------------	---	-----

ZERO-EMISSION CAR

1970	SUPER FLYWHEEL TO POWER ZERO-EMISSION CAR	ARMAGNAC, A. P.	2	73
------	---	-----------------	---	----

ZINC CHLORIDE

1974	HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS, IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC FLUORIDE MIXTURES	SCHROEDER, J.	5	242
------	--	---------------	---	-----

ZLOTNICK, M.

1975	ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS	ZLOTNICK, M.	3	190
------	---	--------------	---	-----

ZUCKER, O.

1974	IMPROVED REGENERATIVE BRAKING SYSTEM	HYNE, A. / ZUCKER, O.	2	121
------	--------------------------------------	-----------------------	---	-----

ZYGIELBAUM, P. S.

1974	POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC UTILITY SYSTEMS	KALHAMMER, F. / ZYGIELBAUM, P. S.	3	177
------	--	-----------------------------------	---	-----

Part-2

MAIN LISTING OF CITATIONS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 1 TITLE.....: DETERMINING INERTIA AND TIME REQUIREMENTS FOR FLYWHEEL
MACHINES
AUTHORS.....: SPOTTS, M. F.

SOURCE.....: MACHINE DESIGN 35, NO 8, MAR 28, 1963, P 148.
PUBL. DATE...: MAR 28 1963

- 2 TITLE.....: TESTING MAGNETO FLYWHEELS AT SPEEDS UP TO 25000 RPM.
AUTHORS.....: MACHY (LOND)

SOURCE.....: MACHY (LOND) V. 103, NO. 2645, JULY 24, 1963, P 184.
PUBL. DATE...: JUL 24 1963

- 3 TITLE.....: THE UNIFORM-STRESS SPINNING FILAMENTARY DISK
AUTHORS.....: KYSER, A. C.
ORGANIZATION: ASTRO RESEARCH CORP.
ADDRESS.....: SANTA BARBARA, CA.

SOURCE.....: REPORT NO. NASA CR-106
PUBL. DATE...: 1964
TYPE.....: REPORT

KEYWORDS.....: FLYWHEELS/COMPOSITE MATERIALS/CALCULATIONS/FLYWHEEL
OPTIMIZATION/FLYWHEEL DESIGN/ISOTENSOID DESIGN

- 4 TITLE.....: MAGNETIC BEARINGS
AUTHORS.....: BEAMS, J. W.

SOURCE.....: SAE AUTOMOTIVE CONGRESS PROCEEDINGS, JAN. 1964.
PUBL. DATE...: JAN 1964
TYPE.....: PROCEEDINGS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 5 TITLE.....: RESPONSE TO PRESSURIZATION OF A VISCOELASTIC CYLINDER WITH
AN ERODING INTERNAL BOUNDARY.
AUTHORS.....: CHRISTENSEN, R. M. / SCHREINER, R. N.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: AIAA JOURNAL 3, 1451 (1965).
PUBL. DATE...: 1965
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 6 TITLE.....: DEFORMATION OF AN ELASTIC SPHERICAL WEDGE.
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: J. OF APPLIED MECHANICS 33, 52 (1966).
PUBL. DATE...: 1966
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 7 TITLE.....: LARGE ELASTIC DEFORMATION OF A SPHERICAL WEDGE
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: INTERNATIONAL J. OF NONLINEAR MECHANICS 2, 207 (1967).
PUBL. DATE...: 1967
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 8 TITLE.....: COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY
AUTHORS.....: MORGANTHALER, G. F. / BONK, S. P.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 8 TITLE.....: COMPOSITE FLYWHEEL STRESS ANALYSIS AND MATERIALS STUDY (CONTD.)
SOURCE.....: 12TH. NAT. SAMPE SYMPOSIUM, OCT. 1967, SEC. D-5.
PUBL. DATE...: OCT 1967
TYPE.....: PROCEEDINGS

KEYWORDS.....: FLYWHEELS/COMPOSITE MATERIALS/STRESS CALCULATIONS

- 9 TITLE.....: CAPTURED LOAD RESILIENCE OF A HYDRAULIC VIBRATOR SAVES POWER
AUTHORS.....: LANKESTER, J. A.

SOURCE.....: HYDRAULICS AND PNEUMATICS 21, P 113, MAY 1968.
PUBL. DATE...: MAY 1968

- 10 TITLE.....: BEARING SUPPORT FLYWHEEL
AUTHORS.....: ENGINEER

SOURCE.....: ENGINEER 227, P 41, JAN 10, 1969
PUBL. DATE...: JAN 10 1969

- 11 TITLE.....: MODIFICATION OF DC MOTOR WITH MAGNETICALLY SUSPENDED ROTOR
AUTHORS.....: CAMBRIDGE THERMIONIC CORP., MASS.

SOURCE.....: NASA-CR-115792
CONTRACT #...: NAS5-11585
PUBL. DATE...: JUL 31 1970

KEYWORDS.....: FLYWHEELS/ENERGY STORAGE/MODIFICATION OF D.C. MOTOR

- 12 TITLE.....: NEW CONCEPTS IN MECHANICAL ENERGY STORAGE
AUTHORS.....: RABENHORST, D. W.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 12 TITLE.....: NEW CONCEPTS IN MECHANICAL ENERGY STORAGE (CONTD.)
SOURCE.....: ENERGY 70, PROC. OF 5TH INTERSOC. ENERGY CONVERSION ENG.
CONF., LAS VEGAS, SEP. 21-5, 1970, VOL. 1. A73-25976 11-03
ALSO: AMER. NUCLEAR SOC., 1972 P.2-95 TO 2-99.
PUBL. DATE...: SEP 1970
TYPE.....: PROCEEDINGS
- KEYWORDS.....: FLYWHEELS/ENERGY STORAGE/VEHICLES/COMPOSITE FIBERS
- 13 TITLE.....: APPLICATION OF AIR BEARINGS TO HIGH SPEED TURBOMACHINERY
AUTHORS.....: BARNETT, M. A. / SILVER, A.
- SOURCE.....: SAE PAPER NO. 700720
PUBL. DATE...: SEP 14 1970
- CONFERENCE...: POWERPLANT MEETING
LOCATION.....: MILWAUKEE, WIS.
DATE.....: SEP 14-17, 1970
- 14 TITLE.....: PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL
AUTHORS.....: RABENHORST, D. W.
ADDRESS.....: LAUREL, MARYLAND
- SOURCE.....: JOHNS HOPKINS UNIV., APPL. PHYS. LAB. RPT. TG1081 (REV.)
PUBL. DATE...: OCT 1970
TYPE.....: REPORT
- 15 TITLE.....: SUPER FLYWHEEL
AUTHORS.....: MECH. ENG.
- SOURCE.....: MECH. ENG. 92, P 36, NOV 1970.
PUBL. DATE...: NOV 1970

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 16 TITLE.....: MINIMIZATION OF MECHANISM OSCILLATIONS THROUGH FLYWHEEL
TUNING
AUTHORS.....: MAHIG, J.
ORGANIZATION: UNIV. OF FLORIDA, GAINESVILLE
SOURCE.....: J. ENG. IND., TRANS ASME 93, SER B, NO 1, FEB 1971, P 120
PUBL. DATE...: FEB 1971
- 17 TITLE.....: MATERIAL REQUIREMENTS FOR THE SUPERFLYWHEEL
AUTHORS.....: RABENHORST, D. W.
ORGANIZATION: JOHNS HOPKINS UNIV.
SOURCE.....: PROCEEDINGS OF FOURTH BUHL INTERNATIONAL CONFERENCE,
PITTSBURGH, CARNEGIE PRESS, 1971, P 195. (A73-14740-04-17)
PUBL. DATE...: NOV 1971
LOCATION.....: PITTSBURGH, PA.
DATE.....: NOV.16-18, 1971
- 18 TITLE.....: HEAT-ENGINE MECHANICAL-ENERGY-STORAGE HYBRID PROPULSION
SYSTEMS FOR VEHICLES.FINAL REPORT
AUTHORS.....: DUGGER, G. L./BRANDT,A./GEORGE,J.F./PERINI,L.L./RABENHORST,
D. W./SMALL,T.R./WEISS,R.O.
ORGANIZATION: JOHNS HOPKINS UNIV., APPLIED PHYSICS LAB.
ADDRESS.....: SILVER SPRING,MD
SOURCE.....: APTD--1344 CP--011
PUBL. DATE...: MAR 1972
CATEGORY.....: ENERGY CONVERSION
KEYWORDS.....: FLYWHEELS/VEHICLES/FLYWHEEL POWERED VEHICLES/HYBRIDS/
FLYWHEEL MATERIALS/FIBER COMPOSITES
- 19 TITLE.....: THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE
AUTHORS.....: RABENHORST, D. W.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 19 TITLE.....: THE APPLICATION OF WOOD TECHNOLOGY TO KINETIC ENERGY STORAGE (CONTD.)
SOURCE.....: APPLIED PHYSICS LAB. TECHNICAL DIGEST 11, 2 (1972).
PUBL. DATE...: MAY 1972
TYPE.....: JOURNAL
- KEYWORDS.....: FLYWHEELS/FLYWHEELS-WOOD/ECONOMICS/SAFETY
- 20 TITLE.....: CALCULATION OF STRESSES AND STRENGTH RETENTION OF ROTATING
DISKS AND FLYWHEELS
- AUTHORS.....: KRITZER, R.
- ORGANIZATION: TECHNISCHE BERECHNUNG DER MOTOREN-WERKE
ADDRESS.....: MANNHEIM, GERMANY
- SOURCE.....: KONSTRUCTION 24,,5, 186-194 (GERMANY)
PUBL. DATE...: MAY 1972
- KEYWORDS.....: CALCULATIONS/FLYWHEELS/STRESSES/SAFETY
- 21 TITLE.....: DISPOSITIF DE PROTECTION CONTRE LES CONSEQUENCES DE LA
RUPTURE D'UN VOLANT D'INERTIE. (A PROTECTIVE DEVICE TO
PREVENT THE CONSEQUENCES OF A FLYWHEEL RUPTURE)
- AUTHORS.....: BONNET-THIRION, C.J./ROBIDA, L./FOLDES, G.
- SOURCE.....: FRENCH PATENT 2,200,906 D 26 SEP 1972 (IN FRENCH)
PUBL. DATE...: SEP 26 1972
TYPE.....: PATENT
ASSIGNED.....: BABCOCK-ATLANTIQUE
- KEYWORDS.....: FLYWHEELS/PROTECTIVE DEVICES/RUPTURE OF FLYWHEELS/COOLING
SYSTEMS/SAFETY
- 22 TITLE.....: SUPER FLYWHEEL; A SECOND LOOK
- AUTHORS.....: BRUNELLE, E. J.
- SOURCE.....: J. ENG. MATERIALS & TECH, TRANS. ASME, V. 95, 63 (JAN 1973)
PUBL. DATE...: JAN 1973

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 23 TITLE.....: REVOLUTION IN FLYWHEELS
AUTHORS.....: DANN, R. T.

SOURCE.....: MACHINE DESIGN 45, 130 (MAY 17, 1973)
PUBL. DATE...: MAY 17 1973
- 24 TITLE.....: ANGULAR MOMENTUM AND THE AIRCRAFT-STORE SEPARATION PROBLEM
AUTHORS.....: DANIELS, P./ CLARE, T. A.

SOURCE.....: J. AIRCRAFT 10, 511 (AUG. 1973)
PUBL. DATE...: AUG 1973
- 25 TITLE.....: FLYWHEELS
AUTHORS.....: POST, R. F./POST, S. F.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA

SOURCE.....: SCIENTIFIC AMERICAN 229(6), 17-23
PUBL. DATE...: DEC 1973
TYPE.....: JOURNAL

CATEGORY.....: ENERGY STORAGE

KEYWORDS.....: FIBER COMPOSITE/COST/ECONOMICS/ENERGY STORAGE/MECHANICAL
PROPERTIES/COMPOSITE/METALS/ALUMINUM ALLOY/STEEL/LEAD-ACID
BATTERY/ DESIGN/STRESS-BEARING
CHARACTERISTICS/DELAMINATION/UTILITIES/VEHICLES/ GENERATORS
- 26 TITLE.....: DESIGN CONSIDERATIONS FOR A 100-MEGAJOULE/500-MEGAWATT
SUPERFLYWHEEL

AUTHORS.....: RABENHORST, D. W. / TAYLOR, R. J.

ORGANIZATION: JOHNS HOPKINS UNIV., APPLIED PHYSICS LAB.
ADDRESS.....: SILVER SPRING, MD.

SOURCE.....: AD-774736/APL-TG-1229

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 26 TITLE.....: DESIGN CONSIDERATIONS FOR A 100-MEGAJOULE/500-MEGAWATT (CONTD.)
CONTRACT #...: N00017-C-4401
PUBL. DATE...: DEC 1973

KEYWORDS.....: COST/DESIGN/ENERGY STORAGE/FLYWHEELS

- 27 TITLE.....: TECHNICAL PROGRAM PLAN FOR SUPERFLYWHEEL DEVELOPMENT
AUTHORS.....: RABENHORST, D. W.
ORGANIZATION: APPLIED PHYSICS LAB., JOHNS HOPKINS UNIV.
SOURCE.....: RPT. PREPARED FOR A.E.C., 1974
PUBL. DATE...: 1974
TYPE.....: REPORT PREPARED FOR ATOMIC ENERGY COMMISSION, 1974.

KEYWORDS.....: FLYWHEELS/FIBER COMPOSITES/FLYWHEEL-HIGH PERFORMANCE

- 28 TITLE.....: THERMAL STRESSES IN COMPOSITE FLYWHEELS
AUTHORS.....: REUTER, R. C. JR.
ORGANIZATION: SANDIA LABS.
ADDRESS.....: ALBUQUERQUE, N.MEX.(USA)
SOURCE.....: SAND--75-5496 CONF-751013--2
PUBL. DATE...: 1974
CONFERENCE...: 12.ANNUAL MEETING OF THE SOCIETY OF ENGINEERING SCIENCE
LOCATION.....: AUSTIN, TEXAS, USA
DATE.....: 21 OCT 1975

CATEGORY.....: ENGINEERING

KEYWORDS.....: COMPOSITE MATERIALS/ENERGY STORAGE/FLYWHEELS/STRESS
ANALYSIS/TEMPERATURE GRADIENTS/THERMAL STRESSES/

- 29 TITLE.....: METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT
WITH A NON-LINEAR SILICONE DAMPER

AUTHORS.....: SHIRAEV, M. P. / KHUDOZHILOV, V. A.

SOURCE.....: RUSS. ENG. J. (ENGL. TRANSL.) 54,6, 51-54

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 29 TITLE.....: METHOD OF CALCULATING TORSIONAL VIBRATIONS IN A POWER UNIT (CONTD.)
PUBL. DATE...: 1974
TYPE.....: JOURNAL
- KEYWORDS.....: DAMPING/ ENERGY STORAGE/ FLYWHEELS/ FRICTION/ MECHANICAL
VIBRATIONS/ NONLINEAR PROBLEMS/ OSCILLATION MODES/ SILICONES
- 30 TITLE.....: FLYWHEELS AS AN ENERGY STORAGE DEVICE, A SELECTED
BIBLIOGRAPHY
- AUTHORS.....: LLL
- ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
- SOURCE.....: LLL-TID-BIB-899
PUBL. DATE...: MAR 1974
- 31 TITLE.....: ITERATIVE PROCEDURES FOR CALCULATING THE FIRST TORSIONAL
EIGENFREQUENCY OF A SHAFT WITH SEVERAL FLYWHEELS
- AUTHORS.....: ATZORI, B. / CURTI, G.
- SOURCE.....: TORINO, ACCADEMIA DELLE SCIENZE, CLASSE DI SCIENZE FISICHE,
MATEMATICHE E NATURALI, ATTI, 108, 429-443.
PUBL. DATE...: MAY 1974
- KEYWORDS.....: FLYWHEELS/EIGENFREQUENCY CALCULATIONS
- 32 TITLE.....: FLYWHEELS TAKE ON LIGHT AND POWERFUL NEW LEASE ON LIFE
- AUTHORS.....: WHITFIELD
- SOURCE.....: ENGINEER 238, 47 (MAY 16, 1974)
PUBL. DATE...: MAY 16 1974

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 33 TITLE.....: MULTIRIM SUPERFLYWHEEL. TECHNICAL MEMO
AUTHORS.....: RABENHORST, D. W.
ORGANIZATION: JOHNS HOPKINS UNIV., APPLIED PHYSICS LAB. OFFICE OF NAVAL
RESEARCH
ADDRESS.....: (J.H.U.) SILVER SPRING, MD. (O.N.R.) ARLINGTON, VA.
SOURCE.....: AD A--001081 APL JHU-TG--1240
CONTRACT #...: N00017-72-C-4401
PUBL. DATE...: AUG 1974

KEYWORDS.....: CONFIGURATION/COST/ENERGY STORAGE/FLYWHEELS/PERFORMANCE/
- 34 TITLE.....: A 1000 NMS FLYWHEEL OPTIMISATION STUDY
AUTHORS.....: STANDING, J. M.
ORGANIZATION: HAWKER SIDDELEY DYNAMICS, LTD.
ADDRESS.....: STEVENAGE, ENGLAND
SOURCE.....: ESRO-CR-92
CONTRACT #...: ESTEC-1335/71-SL
PUBL. DATE...: SEP 1974

KEYWORDS.....: FLYWHEEL/1000 NMS FLYWHEEL/FLYWHEEL DESIGN
- 35 TITLE.....: A 150 NMS FLYWHEEL OPTIMISATION STUDY
AUTHORS.....: STANDING, J. M.
ORGANIZATION: HAWKER SIDDELEY DYNAMICS, LTD.
ADDRESS.....: STEVENAGE, ENGLAND
SOURCE.....: ESRO-CR-92
CONTRACT #...: ESTEC-1335/71-SL
PUBL. DATE...: SEP 1974

KEYWORDS.....: FLYWHEEL/DESIGN OF FLYWHEEL/FLYWHEEL THERMAL PROPERTIES/
CALCULATIONS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 36 TITLE.....: SUPERFLYWHEEL: THE BATTERY THAT SPINS
AUTHORS.....: LAMPE, D.

SOURCE.....: POPULAR MECHANICS, NOV. 1974, P. 124.
PUBL. DATE...: NOV 1974
TYPE.....: PERIODICAL

KEYWORDS.....: FLYWHEELS/VEHICLES/SUPERFLYWHEELS/ENERGY STORAGE
- 37 TITLE.....: FLYWHEEL ENERGY SYSTEMS
AUTHORS.....: BIGGS, F.

ORGANIZATION: SANDIA LABS.
ADDRESS.....: ALBUQUERQUE, N.MEX. (USA)

SOURCE.....: SAND--74-0113
PUBL. DATE...: NOV 1974

KEYWORDS.....: FLYWHEELS/ENERGY STORAGE/FLYWHEEL DESIGNS/FLYWHEEL
MATERIALS/ VEHICLES/UTILITIES/FLYWHEEL R&D
- 38 TITLE.....: THE LUBRICATION OF BEARINGS AND SLIP RINGS IN VACUUM
AUTHORS.....: O'DONNELL, P. J. / HARRIS, L. C. / WARWICK, M. G.

ORGANIZATION: MARCONI SPACE AND DEFENSE SYSTEMS LTD.
ADDRESS.....: CAMBERLEY, ENGLAND

SOURCE.....: ESRO-CR-214
CONTRACT #...: ESTEC-763/69-AA
PUBL. DATE...: NOV 1974
TYPE.....: PROGRESS REPORT

KEYWORDS.....: FLYWHEELS/LUBRICATION OF BEARINGS
- 39 TITLE.....: ESTIMATING THE VELOCITIES OF THE CONTROL FLYWHEELS OF A
FREE GYROSTAT

AUTHORS.....: LITVIN-SEDOI, M. Z.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 39 TITLE.....: ESTIMATING THE VELOCITIES OF THE CONTROL FLYWHEELS OF A (CONTD.)
ORGANIZATION: SCI RES INST FOR MECH, MOSCOW UNIV, USSR
SOURCE.....: MOSC. UNIV. MECH. BULL. V 30 N 3-4 1975 P 26-31
PUBL. DATE...: 1975

KEYWORDS.....: GYROSCOPES/FLYWHEELS
- 40 TITLE.....: FINITE ELEMENT STUDY OF A CAST IRON FLYWHEEL WITH
PARTICULAR EMPHASIS ON STRESS CONCENTRATIONS

AUTHORS.....: BINDIN, P.J.
ORGANIZATION: PERKINS ENGINES LTD.
ADDRESS.....: PETERBOROUGH, ENGLAND

SOURCE.....: CONF. PROCEEDINGS. JOHN WILEY, N. Y. 1975
PUBL. DATE...: 1975
PUBLISHER....: JOHN WILEY, N.Y.

CONFERENCE...: INST. OF PHYS. STRESS ANAL. GROUP, ANNUAL CONF: STRESS, VIB.
AND NOISE ANAL. IN VEH.
LOCATION.....: UNIV. OF ASTON.

KEYWORDS.....: MATHEMATICAL TECHNIQUES/ FINITE ELEMENT METHOD/ STRESS
CONCENTRATION/ FLYWHEEL BURSTING SPEED/FLYWHEELS/CAST IRON
FLYWHEELS/STRESS FRACTURE/CALCULATIONS
- 41 TITLE.....: ACTIVE STABILIZATION OF THE ROTARY MOTION OF A SOLID BODY

AUTHORS.....: SAKIAN, L. S.

SOURCE.....: JOURNAL OF APPLIED MATHEMATICS AND MECHANICS, VOL 39, NO.5
1975 P. 882-890. 5REF.
PUBL. DATE...: 1975
- 42 TITLE.....: DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH
ABSTRACTS)

AUTHORS.....: LEHMANN, E. J.

ORGANIZATION: NTIS
ADDRESS.....: SPRINGFIELD, VA.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 42 TITLE.....: DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH (CONTD.)
SOURCE.....: REPORT FOR 1964-OCT. 1974
PUBL. DATE...: JAN 1975
- 43 TITLE.....: METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE
SYSTEMS
AUTHORS.....: RABENHORST, D. W.
SOURCE.....: SAMPE Q. 6 2, 23.
PUBL. DATE...: JAN 1975
KEYWORDS.....: ANISOTROPY/COMPOSITE MATERIALS/ENERGY
STORAGE/FLYWHEELS/MATERIALS TESTING/
- 44 TITLE.....: DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE
AUTHORS.....: BROBECK, W. M. ASSOC.
SOURCE.....: EPRI 269-1 FINAL REPORT, JULY 1975, FOR ELECTRIC POWER
RESEARCH INSTITUTE
PUBL. DATE...: JUL 1975
- 45 TITLE.....: DESIGN AND DEVELOPMENT OF A MOMENTUM WHEEL WITH A MAINLY
PASSIVE MAGNETIC BEARING FINAL REPORT
AUTHORS.....: ESA
SOURCE.....: (CONTRACT ESTEC-2038/73-PP (MU/EX-47.055/75; ESA-CR(P)-696
AVIL: NTIS HC \$4.50
PUBL. DATE...: JUL 1975
KEYWORDS.....: FLYWHEELS/MAGNETIC BEARINGS/FLYWHEEL DESIGN

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 46 TITLE.....: DESIGN AND APPLICATIONS OF FLYWHEELS (A BIBLIOGRAPHY WITH ABSTRACTS)
AUTHORS.....: HABERCOM, G. E.
ORGANIZATION: NTIS
ADDRESS.....: SPRINGFIELD, VA.
SOURCE.....: NTIS/PS-75/743/5SL
PUBL. DATE...: OCT 1975
- 47 TITLE.....: ON OPTIMAL SHAPES FOR ANISOTROPIC ROTATING DISKS.
AUTHORS.....: GERSTLE, F. P. / BIGGS, F.
SOURCE.....: SOCIETY OF ENGINEERING SCIENCE, ANNUAL MEETING, 12TH, AUSTIN, TEXAS, OCTOBER 20-22, 1975, PROCEEDINGS. P. 143-153
PUBL. DATE...: OCT 20 1975
KEYWORDS....: FLYWHEELS/ANISOTROPIC/SHAPES OF FLYWHEELS/ENERGY STORAGE
- 48 TITLE.....: EPOXY RESINS FOR FLYWHEEL APPLICATIONS.
AUTHORS.....: RINDE, J. A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT UCRL-77543, NOV. 1975. PROC. OF THE 1975 FLYWHEEL TECHNICAL SYMPOSIUM, BERKELEY, CA, NOV. 10-12, 1975.
PUBL. DATE...: NOV 1975
TYPE.....: REPORT
CATEGORY....: MATERIAL PROPERTIES
- 49 TITLE.....: MOMENTUM WHEELS
AUTHORS.....: TOROSSIAN, R.
ORGANIZATION: AEROSPATIALE, FRANCE

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 49 TITLE.....: MOMENTUM WHEELS (CONTD.)
PUBL. DATE...: NOV 1975
CONFERENCE...: FLYWHEEL TECHNOLOGY SYMPOSIUM, BERKELEY, CA, NOV 1975.
- 50 TITLE.....: 1975 FLYWHEEL TECHNOLOGY SYMPOSIUM
AUTHORS.....: ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION, AND
LAWRENCE LIVERMORE LABORATORY
EDITOR.....: CHANG, G. C.
SOURCE.....: ERDA-76-85
PUBL. DATE...: NOV 10 1975
DATE.....: NOV. 10-12, 1975
- 51 TITLE.....: AN IMPROVED ROTATABLE MASS FOR A FLYWHEEL
AUTHORS.....: WEYLER, GEORGE M. JR. PATENT APPLICATION 14 NOV 1975
SOURCE.....: (NASA-CASE-MFS-23051-1; US-PATENT-APPL-SN-632111) AVAIL:
NTIS HC \$3.50 CSCL 20K
PUBL. DATE...: NOV 14 1975
KEYWORDS.....: FLYWHEELS/ENERGY STORAGE/FIBER COMPOSITES/FLYWHEEL DESIGN
- 52 TITLE.....: FIBER EVALUATION FOR FLYWHEEL APPLICATIONS
AUTHORS.....: PENN, L. S. / CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT UCRL-77569, DEC.15,
1975. / PROC. OF 1975 FLYWHEEL TECHNICAL SYMPOSIUM,
BERKELEY, CA, NOV. 10-12, 1975.
PUBL. DATE...: DEC 15 1975
TYPE.....: REPORT
CATEGORY.....: MATERIAL PROPERTIES

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 53 TITLE.....: MECHANICAL DESIGN OF A COMPOSITE CENTERLESS FLYWHEEL
AUTHORS.....: BLAKE, A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCRL-51978
CONTRACT #...: W-7405-ENG-48
PUBL. DATE...: DEC 16 1975
TYPE.....: REPORT
PUBLISHER....: LLL
KEYWORDS.....: COMPOSITE MATERIALS/ CONFIGURATION/ DESIGN/ ENERGY STORAGE/
FILAMENTS/ FLYWHEELS/ RINGS/ STRESSES
- 54 TITLE.....: FERRO-RESONANT CIRCUIT FOR A NEW FLYWHEEL MOTOR GENERATOR
AUTHORS.....: AALAND, K.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCRL-77508-ABSTRACT
PUBL. DATE...: 1976
- 55 TITLE.....: FLYWHEELS, A REPORT BIBLIOGRAPHY
AUTHORS.....: DEFENSE DOCUMENTATION CENTER
ORGANIZATION: DEFENSE DOCUMENTATION CENTER
ADDRESS.....: ALEXANDRIA, VA.
SOURCE.....: SCN-CF022D
PUBL. DATE...: FEB 18 1976
- 56 TITLE.....: FLYWHEELS, A SELECTED BIBLIOGRAPHY
AUTHORS.....: MADDEN, W. E.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

I PROPERTIES OF FLYWHEELS

- 56 TITLE.....: FLYWHEELS, A SELECTED BIBLIOGRAPHY (CONTD.)
SOURCE.....: LLL-TID-BIB-1093
PUBL. DATE...: MAR 16 1976
- 57 TITLE.....: FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS
AUTHORS.....: STONE, R. G.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA, 94550
SOURCE.....: UCRL-50033-76-1
PUBL. DATE...: MAY 1976
- 58 TITLE.....: RESEARCH LEADING TO THE PRODUCTION AND EARLY USE OF NUMERIC
DATA BANKS OF MATERIAL PROPERTIES AND SYSTEM ANALYSES
AUTHORS.....: HENRY, E. A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCRL-50038-76-1,-2,-3,-4,-5
PUBL. DATE...: MAY 14 1976
- 59 TITLE.....: COMPOSITE FIBER FLYWHEEL FOR ENERGY STORAGE
AUTHORS.....: RINDE, J. A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCRL-78085
PUBL. DATE...: JUN 04 1976

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 60 TITLE.....: COMPARISON OF ELECTRICALLY RUN UP FLYWHEEL (DC MOTOR) WITH
TURBINE, HOT GAS MOTOR AND OTHER SYSTEMS FOR MINUTEMAN
APPLICATION.
AUTHORS.....: FRUKTOW, N. N.
ORGANIZATION: TRW SPACE TECHNOLOGY LABS.
ADDRESS.....: LOS ANGELES, CA.
SOURCE.....: TN-59-0000-00266
PUBL. DATE...: MAY 1959
TYPE.....: REPORT

KEYWORDS.....: COMPARATIVE EVALUATIONS/ FLYWHEELS/ MISSILES
- 61 TITLE.....: ON-BOARD ENERGY STORAGE IN RAIL RAPID TRANSIT
AUTHORS.....: MARLOWE, E. W.
ORGANIZATION: DEVELOPMENT LABS., INC.
ADDRESS.....: SANTA MONICA, CAL.
SOURCE.....: TN-64-23
PUBL. DATE...: JUN 1964
TYPE.....: REPORT
PUBLISHER....: DEVELOPMENT LABS., INC.

KEYWORDS.....: CONTROL SYSTEMS/ DESIGN/ ENERGY STORAGE/ FLYWHEELS/
MECHANICAL TRANSMISSIONS/ RAPID TRANSIT SYSTEMS/ TRAINS
- 62 TITLE.....: GENERAL THEORETICAL ANALYSIS AND EVALUATION OF AN
EXPERIMENTAL MODEL OF A CONSTANT-SPEED FLYWHEEL POWER SOURCE
AUTHORS.....: MATTHEWS, L. E. / EVERETT, W. D. / BINDER, R.
ORGANIZATION: U. S. NAVAL MISSILE CENTER
ADDRESS.....: POINT MUGU, CA.
SOURCE.....: TECHNICAL MEMORANDUM NO. NMC-TM-647, JUNE 25, 1964.
PUBL. DATE...: JUN 25 1964
TYPE.....: REPORT

KEYWORDS.....: FLYWHEELS/VEHICLES/FLYWHEEL-LIQUID FILLED

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 63 TITLE.....: TRANSFER LINE FOR SHORT RUNS
 AUTHORS.....: AM. MACH.

 SOURCE.....: AM. MACH. 109, P 83, AUG 16, 1965
 PUBL. DATE...: AUG 16 1965
- 64 TITLE.....: SPECIFICATIONS FOR SHIPBOARD STORED ENERGY CATAPULT
 FLYWHEEL PACKAGE
 AUTHORS.....: NAVAL ORDNANCE STATION, FOREST PARK, ILL.

 SOURCE.....: AD-876 244L, IDEP 347.55.00.00-Y7-05S
 PUBL. DATE...: APR 14 1966
- 65 TITLE.....: EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS
 FOR AIRCRAFT ACTUATION FUNCTIONS
 AUTHORS.....: NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.

 SOURCE.....: NA-66-1142-1, QUARTERLY TECH. RPT. NO. 1, 1 JUL-30SEP 1966
 CONTRACT #...: AF33(615)-5173
 PUBL. DATE...: OCT 12 1966
- 66 TITLE.....: FLYWHEEL ENERGY STORAGE SYSTEMS FOR TRANSIT BUSES
 AUTHORS.....: WILCOX, J. P.

 ORGANIZATION: BATTELLE LABS.
 ADDRESS.....: COLUMBUS, OHIO

 PUBL. DATE...: OCT 1967
 TYPE.....: REPORT
 PUBLISHER....: BATTELLE COLUMBUS LABS.

 KEYWORDS.....: BUSES/ ECONOMICS/ ENERGY STORAGE/ FEASIBILITY STUDIES/
 FLYWHEELS/ RAPID TRANSIT SYSTEMS/ REGENERATIVE BRAKING/
 TRANSIENTS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 67 TITLE.....: FLYWHEEL INERTIA ACTUATES AUTOMATIC ANTI-SKID DEVICE
AUTHORS.....: PRODUCT ENG.

SOURCE.....: PRODUCT ENG. 38, P 59, DEC 18, 1967
PUBL. DATE...: DEC 18 1967
- 68 TITLE.....: PRIMARY ENERGY STORAGE AND THE SUPER FLYWHEEL
AUTHORS.....: RABENHORST, D. W.

ORGANIZATION: APPLIED PHYSICS LAB., JOHNS HOPKINS UNIV.
ADDRESS.....: SILVER SPRING, MD.

SOURCE.....: AD-697906; APL-TG-1081
CONTRACT #...: NOW-62-0604-C
PUBL. DATE...: SEP 1969

KEYWORDS.....: FLYWHEEL/FLYWHEEL DESIGN/ENERGY STORAGE/SUPERFLYWHEEL
- 69 TITLE.....: STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-
POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES

AUTHORS.....: HOESS, J.A./CHEANEY, E.S./CRESWICK, F.A./TRAYSER, D.A./FISCHER,
R.D./TIMBERLAKE, A.B./BASHAM, S.J./HERRIDGE, J.T./WILCOX, J.
P.

ORGANIZATION: BATTELLE COLUMBUS LABS.
ADDRESS.....: OHIO (USA)

SOURCE.....: APTD--69-51
CONTRACT #...: PH 86-67-109
PUBL. DATE...: OCT 1969
TYPE.....: PB--192321

CATEGORY.....: ENERGY CONVERSION HEAT SOURCES

KEYWORDS.....: AMMONIA / AUTOMOBILES / AUTOMOTIVE FUELS / COMPARATIVE
EVALUATIONS/DIRECT ENERGY CONVERTERS/ENGINES/ FEASIBILITY
STUDIES / FLYWHEELS / GAS TURBINES/HYBRID SYSTEMS/HYDROGEN
FUELS/LITHIUM FLUORIDES/MECHANICAL TRANSMISSIONS / METHANE
/MHD GENERATORS/ML-1 REACTOR/MOBILE REACTORS/PHOTOVOLTAIC
CELLS/PROPANE/PROPULSION/RADIOISOTOPE BATTERIES
/RADIOISOTOPE HEAT SOURCES/RANKINE CYCLE ENGINES/SNAP 50
REACTOR/SNAP 8 REACTOR/STIRLING ENGINES/THERMIONIC
CONVERTERS /THERMOELECTRIC GENERATORS/

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 70 TITLE.....: STUDY OF UNCONVENTIONAL THERMAL, MECHANICAL, AND NUCLEAR LOW-
POLLUTION-POTENTIAL POWER SOURCES FOR URBAN VEHICLES
AUTHORS.....: BATTELLE COLUMBUS LABS.
ORGANIZATION: BATTELLE COLUMBUS LABS.
ADDRESS.....: OHIO (USA)
SOURCE.....: NP--20359
CONTRACT #...: PH 86-67-109
PUBL. DATE...: OCT 1969
CATEGORY....: ENERGY CONVERSION ENERGY SOURCES REACTORS-POWER SNAP
TECHNOLOGY
KEYWORDS....: AIR FILTERS/AUTOMOBILES/AUTOMOTIVE FUELS/COMBUSTION
CHAMBERS/COMPARATIVE EVALUATIONS/COST/DESIGN/ENERGY
STORAGE/ EXHAUST GASES / FEASIBILITY STUDIES /
FLYWHEELS/FUEL CONSUMPTION/GAS TURBINES/HEAT
ENGINES/HYDRODYNAMICS/MECHANICAL TRANSMISSIONS / MHD
GENERATORS /ML-1 REACTOR/MOBILE REACTORS/NUCLEAR
POWER/PERFORMANCE/POWER TRANSMISSION/ PROPULSION /
RADIOISOTOPE BATTERIES / RADIOISOTOPE HEAT SOURCES/RANKINE
CYCLE ENGINES/REVIEWS/SNAP REACTORS / SNAP 8
REACTOR/SPRINGS/STIRLING ENGINES/THERMIONIC
CONVERTERS/THERMOELECTRIC GENERATORS/USES/ WORKING FLUIDS/
- 71 TITLE.....: WIND UP CAR
AUTHORS.....: HOHENEMSER, K. / MCCAULL, J.
SOURCE.....: ENVIRON 12, P 14, JUN 1970.
PUBL. DATE...: JUN 1970
- 72 TITLE.....: HIGH-SPEED ENERGY WHEEL OFFERS TROLLEYS PORTABLE ELECTRICITY
AUTHORS.....: PRODUCT ENGINEERING
SOURCE.....: PROD. ENG. 41:80, JULY 20, 1970
PUBL. DATE...: JUL 20 1970

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 73 TITLE.....: SUPER FLYWHEEL TO POWER ZERO-EMISSION CAR
AUTHORS.....: ARMAGNAC, A. P.

SOURCE.....: POPULAR SCIENCE 197, P 41, AUG 1970.
PUBL. DATE...: AUG 1970
- 74 TITLE.....: CUT SUBWAY POWER COSTS
AUTHORS.....: NEW YORK CITY METROPOLITAN TRANSPORTATION AUTHORITY

SOURCE.....: AM. CITY, 85, P 98, SEP 1970.
PUBL. DATE...: SEP 1970
- 75 TITLE.....: SURVEY OF PROPULSION SYSTEMS FOR LOW EMISSION URBAN
VEHICLES, FINAL REPORT.
AUTHORS.....: FRAIZE, W. E. / LAY, R. K.
ORGANIZATION: MITRE CORP.
ADDRESS.....: MCLEAN, VA.
CONTRACT #...: F19628-68-C-0365
PUBL. DATE...: SEP 1970
TYPE.....: REPORT

KEYWORDS.....: AIR POLLUTION/ AUTOMOBILES/ AUTOMOTIVE FUELS/ ELECTRIC-
POWERED VEHICLES/ ENGINES/ EXHAUST GASES/ FLYWHEELS/ FOSSIL
FUELS/ FUEL CELLS/ HEAT ENGINES/ INTERNAL COMBUSTION
ENGINES/ RANKINE CYCLE ENGINES/ REVIEWS/ URBAN AREAS
- 76 TITLE.....: SUPER FLYWHEEL CONFIGURATIONS FORM HEART OF MECHANICAL-
POWERED DRIVES
AUTHORS.....: CHIRONIS, N. P.

SOURCE.....: PRODUCT ENG. 42, P 54, APR 12, 1971.
PUBL. DATE...: APR 12 1971

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 77 TITLE.....: FLYWHEEL FEASIBILITY STUDY AND DEMONSTRATION.FINAL REPORT
AUTHORS.....: GILBERT, R. R./HARVEY,J.R./HEUER,G.E./LAWSON, L. J.
ORGANIZATION: LOCKHEED MISSILES AND SPACE CO.
ADDRESS.....: SUNNYVALE,CALIF.(USA)
SOURCE.....: (D--007915)=(D007915) STANDARDS/URBAN AREAS/VEHICLES/AIR
POLLUTION/FLYWHEELS/HYBRID
PUBL. DATE...: APR 30 1971

CATEGORY.....: ENERGY CONVERSION
KEYWORDS.....: ENERGY STORAGE/FEASIBILITY STUDIES/PERFORMANCE TESTING
- 78 TITLE.....: EVALUATION OF HYBRID HEAT ENGINE/ELECTRIC SYSTEMS FOR LOW
EXHAUST EMISSION POTENTIAL IN AUTOMOTIVE APPLICATIONS
AUTHORS.....: LAPEDES,D.E./MELTZER,J.

SOURCE.....: SAE, INTERSOCIETY ENERGY CONVERSION ENG CONF, PAP 719151
PUBL. DATE...: AUG 03 1971

LOCATION.....: BOSTON, MASS.
DATE.....: AUG 3-5, 1971
- 79 TITLE.....: DESIGN AND TESTING OF HIGH ENERGY DENSITY FLYWHEELS FOR
APPLICATION TO FLYWHEEL HEAT ENGINE HYBRID VEHICLE DRIVES
AUTHORS.....: LAWSON, L. J.

SOURCE.....: 1971 INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE
PAPER 719150, P. 1142 BOSTON, MA 3 AUG 1971
PUBL. DATE...: AUG 03 1971
PUBLISHER...: SOCIETY OF AUTOMOTIVE ENGINEERS,INC. NEW YORK

LOCATION.....: BOSTON,MA
DATE.....: 3 AUG 1971

KEYWORDS.....: ACCELERATION / AUTOMOBILES / DESIGN /ENERGY STORAGE/EXHAUST
GASES/FLYWHEELS/GEOMETRY/HEAT ENGINES/HYBRID
SYSTEMS/MATERIALS/PERFORMANCE TESTING/POWER/
VEHICLES/ENERGY STORAGE/FLYWHEELS/GEOMETRY/HYBRID SYSTEMS/
PERFORMANCE TESTING/POWER

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 80 TITLE.....: FLYWHEEL AND FLYWHEEL HEAT ENGINE HYBRID PROPULSION SYSTEMS
FOR LOW-EMISSION VEHICLES
- AUTHORS.....: DUGGER, G. L./BRANDT, A./GEORGE, J.F./PERINI, L.L.
- ORGANIZATION: JOHNS HOPKINS UNIV.
ADDRESS.....: BALTIMORE
- SOURCE.....: PAPER 719149, P. 1126. 1971 INTERSOCIETY ENERGY CONVERSION
ENGINEERING CONFERENCE BOSTON, MA 3 AUG 1971
- PUBL. DATE...: AUG 03 1971
- PUBLISHER....: SOCIETY OF AUTOMOTIVE ENGINEERS, INC. NEW YORK
- LOCATION.....: BOSTON, MA
DATE.....: 3 AUG 1971
- KEYWORDS.....: ACCELERATION / AUTOMOBILES / BUSES / DIESEL ENGINES/ENERGY
STORAGE/EXHAUST GASES/FLYWHEELS/FUEL CONSUMPTION/GAS
TURBINES/HEAT ENGINES/HYBRID SYSTEMS/MATERIALS/SPARK
IGNITION ENGINES/TESTING/TRUCKS/
ACCELERATION/VEHICLES/HYBRID SYSTEMS/ENERGY
STORAGE/FLYWHEELS/ FUEL CONSUMPTION/HEAT
ENGINES/MATERIALS/TESTING/LOW EMISSIONS
-
- 81 TITLE.....: POTENTIAL APPLICATIONS FOR THE SUPERFLYWHEEL
- AUTHORS.....: RABENHORST, D. W.
- ORGANIZATION: JOHNS HOPKINS UNIV.
ADDRESS.....: BALTIMORE
- SOURCE.....: 1971 INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE
PAPER 719148, .P.1118 BOSTON, MA 3 AUG 1971
- PUBL. DATE...: AUG 03 1971
- PUBLISHER....: SOCIETY OF AUTOMOTIVE ENGINEERS, INC. NEW YORK
- LOCATION.....: BOSTON, MA
DATE.....: 3 AUG 1971
- KEYWORDS.....: AIRCRAFT/COST/ENERGY
STORAGE/FLYWHEELS/NOISE/PERFORMANCE/POWER SUPPLIES/SPACE
VEHICLES/TOOLS/TRANSPORTATION SYSTEMS /USES/VEHICLES/
FLYWHEEL/SUPER FLYWHEEL/VEHICLES/TOOLS/POWER SUPPLIES/LOW
EMISSION
-
- 82 TITLE.....: FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL
HEAT ENGINE HYBRID PROPULSION SYSTEM
- AUTHORS.....: MECHANICAL TECHNOLOGY, INC.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 82 TITLE.....: FEASIBILITY ANALYSIS OF THE TRANSMISSION FOR A FLYWHEEL (CONTD.)
ORGANIZATION: MECHANICAL TECHNOLOGY, INC.
ADDRESS.....: LATHAM, N.Y. (USA)

SOURCE.....: MTI-71TR75 APTD-1181
CONTRACT #...: EPA 68-04-0033
PUBL. DATE...: NOV 1971

CATEGORY.....: ENERGY CONVERSION

KEYWORDS.....: AUTOMOBILES / COMPUTER
CALCULATIONS/CONTROL/COST/DESIGN/FEASIBILITY
STUDIES/FLYWHEELS/HEAT ENGINES/HYBRID SYSTEMS/MECHANICAL
TRANSMISSIONS/PERFORMANCE/PROPULSION/SAFETY/SIMULATION/
- 83 TITLE.....: PROCEEDINGS SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM

ORGANIZATION: ELECTRIC VEHICLE COUNCIL
ADDRESS.....: NEW YORK

PUBL. DATE...: NOV 08 1971
TYPE.....: CONF. PROCEEDINGS
PUBLISHER...: ELECTR. VEHICLE COUNCIL

CONFERENCE...: SECOND INTERNATIONAL ELECTRIC VEHICLE SYMPOSIUM
LOCATION.....: ATLANTIC CITY, N.J.
DATE.....: 8-10 NOV., 1971

KEYWORDS.....: AIR POLLUTION/ AUTOMOBILES/ ELECTRIC BATTERIES/ ELECTRIC-
POWERED VEHICLES/ FLYWHEELS/ HYBRID ELECTRIC-POWERED
VEHICLES/ MEETINGS/ NEW JERSEY/ RESEARCH PROGRAMS/
SEMICONDUCTOR MATERIALS/ TRAINS
- 84 TITLE.....: ELECTRIC ROAD VEHICLE
AUTHORS.....: CALVERT, W.L.

SOURCE.....: (DEC. 26, 1967)=(- FILED DATE DEC 23, 1967)
PUBL. DATE...: NOV 24 1971
TYPE.....: PATENT
ASSIGNED.....: UNION CARBIDE CORP.

KEYWORDS.....: FLYWHEELS/HYBRID/BATTERIES/ELECTRIC GENERATORS/ENERGY
STORAGE/ VEHICLES

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 85 TITLE.....: LIFT FOR THE AUTO: ENGINE-FLYWHEEL HYBRIDS
AUTHORS.....: MCCAULL, J.

SOURCE.....: ENVIRON 13, P 35, DEC 1971.
PUBL. DATE...: DEC 1971
- 86 TITLE.....: HYBRID PROPULSION SYSTEM TRANSMISSION EVALUATION, PHASE I.
FINAL REPORT
AUTHORS.....: CORDNER, M.A./GRIMM, D.H.
ORGANIZATION: SUNDSTRAND AVIATION
ADDRESS.....: ROCKFORD, ILL. (USA)

SOURCE.....: APTD--1121 PB--210-057
CONTRACT #...: 68-04-0034
PUBL. DATE...: FEB 25 1972

CATEGORY.....: ENERGY CONVERSION
KEYWORDS.....: ACCELERATION / AUTOMOBILES/COMPARATIVE EVALUATIONS/COMPUTER
CALCULATIONS/CONFIGURATION/CONTROL SYSTEMS/COST/DESIGN/
FEASIBILITY STUDIES / FEDERAL DRIVING CYCLE /
FLYWHEELS/FUEL CONSUMPTION/HEAT ENGINES/HYBRID
SYSTEMS/MECHANICAL
TRANSMISSIONS/OPTIMIZATION/PERFORMANCE/SIMULATION/
- 87 TITLE.....: FLYWHEEL DRIVE SYSTEMS STUDY.FINAL REPORT
AUTHORS.....: GILBERT, R. R./HEUER, G.E./JACOBSEN, E. H./KUHN, E.B./LAWSON,
L. J./WADA, W. T.
ORGANIZATION: LOCKHEED MISSILES AND SPACE CO., SUNNYVALE, CALIF. (USA)

SOURCE.....: APTD-1182, PB-213342 9 LMSC-D246393
CONTRACT #...: 68-04-0048
PUBL. DATE...: JUL 31 1972

CATEGORY.....: ENERGY CONVERSION
KEYWORDS.....: AUTOMOBILES / DESIGN/ENERGY STORAGE/EXHAUST
GASES/FEASIBILITY STUDIES/FLYWHEELS/HYBRID
SYSTEMS/MECHANICAL TRANSMISSIONS/PROPULSION/SAFETY/USES/

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 88 TITLE.....: INERTIAL ENERGY STORAGE APPARATUS AND SYSTEM FOR UTILIZING
THE SAME
AUTHORS.....: POST, R. F. / POST, S. F.
SOURCE.....: U. S. PATENT 3,683,216, AUG. 8, 1972.
PUBL. DATE...: AUG 08 1972
TYPE.....: PATENT
KEYWORDS.....: FLYWHEELS/VEHICLES/FLYWHEEL DESIGN
- 89 TITLE.....: APPLICATION OF KINETIC ENERGY PROPULSION TO MASS
TRANSPORTATION
AUTHORS.....: LAWSON, L. J.
ORGANIZATION: LOCKHEED MISSILES AND SPACE CO.
SOURCE.....: SAE PAPER 720681
PUBL. DATE...: AUG 21 1972
PUBLISHER...: SAE, NEW YORK
CONFERENCE...: SOCIETY OF AUTOMOTIVE ENGINEERS, NATIONAL WEST COAST MEETING
LOCATION.....: SAN FRANCISCO, CA.
DATE.....: 21-24 AUG 1972
KEYWORDS.....: FLYWHEELS/VEHICLES/ENVIRONMENT/SAN FRANCISCO BUS
- 90 TITLE.....: TWO NEW WEAPONS AGAINST AUTOMOTIVE AIR POLLUTION: THE
HYDROSTATIC DRIVE AND THE FLYWHEEL-ELECTRIC LDV.
AUTHORS.....: WHITLAW, R. L.
ORGANIZATION: VA. POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG
SOURCE.....: ASME PAPER N 72-WA/APC-5
PUBL. DATE...: NOV 26 1972
DATE.....: NOV. 26-30, 1972
- 91 TITLE.....: HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR
WINDINGS IN WHEELS
AUTHORS.....: REIMERS, E.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 91 TITLE.....: HYBRID ELECTRIC PROPULSION UTILIZING RECONNECTIBLE MOTOR (CONTD.)
SOURCE.....: 8TH INTERSOC. ENERGY CONVERSION ENG. CONF., PAPER 739116
PUBL. DATE...: 1973
TYPE.....: CONFERENCE PAPER

KEYWORDS....: FLYWHEELS/ENERGY STORAGE/VEHICLES/FOUR-WHEEL
DRIVE/HYBRID/ECONOMICS

- 92 TITLE.....: ELECTRIC VEHICLE HYBRID POWER TRAIN
AUTHORS.....: KUGLER, G. C.
ORGANIZATION: ESB, INC.
SOURCE.....: INTERNATIONAL AUTOMOTIVE ENGINEERING CONGRESS, DETROIT,
MICH. PAPER 730254
PUBL. DATE...: JAN 08 1973
TYPE.....: CONF. PAPER
PUBLISHER....: SOCIETY OF AUTOMOTIVE ENGINEERS, INC.
CONFERENCE...: INTERNATIONAL AUTOMOTIVE ENGINEERING CONGRESS, DETROIT,
MICH.
LOCATION.....: NEW YORK
DATE.....: 8-12 JAN 1973
KEYWORDS....: FLYWHEELS/HYBRID/ELECTRIC MOTORS/ENERGY
STORAGE/REGENERATIVE BRAKING/VEHICLES

- 93 TITLE.....: FLYWHEEL-ELECTRIC SYSTEM FOR LOCAL-DUTY VEHICLES
AUTHORS.....: AUTOMOTIVE ENG.
SOURCE.....: AUTOMOTIVE ENG. 81, P 11, FEB 1973.
PUBL. DATE...: FEB 1973

- 94 TITLE.....: IS THERE A FLYWHEEL IN YOUR FUTURE
AUTHORS.....: LAWSON, L. J.
ORGANIZATION: LOCKHEED MISSILES AND SPACE CO.
SOURCE.....: SAE SPEC. PUBL. SP-379, MAR 1973, PAP 730621, P 48
PUBL. DATE...: MAR 1973

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 94 TITLE.....: IS THERE A FLYWHEEL IN YOUR FUTURE (CONTD.)
KEYWORDS.....: FLYWHEELS/HYBRID/VEHICLES/ENERGY STORAGE/HEAT ENGINE/LOW
POLLUTION
- 95 TITLE.....: APPLICATION OF TWO-PHASE DC CHOPPER MOTOR DRIVE
AUTHORS.....: REIMERS, E.

SOURCE.....: IEEE TRANS. IND. APPLICATIONS 9, 285 (MAY 1973)
PUBL. DATE...: MAY 1973

KEYWORDS.....: FLYWHEELS/VEHICLES/HYBRID DRIVE/DC CHOPPER MOTOR
- 96 TITLE.....: INERTIAL ENERGY STORAGE APPARATUS
AUTHORS.....: POST, S. F.

SOURCE.....: U. S. PATENT 3,741,034, JUNE 26, 1973.
PUBL. DATE...: JUN 26 1973
TYPE.....: PATENT

KEYWORDS.....: FLYWHEELS/VEHICLES/FLYWHEEL DESIGN
- 97 TITLE.....: HYBRID CAR: PART-TIME ENGINE + PART-TIME FLYWHEEL = FULL
TIME TRANSPORTATION
AUTHORS.....: LINDSLEY, E. F.

SOURCE.....: POPULAR SCIENCE, AUG. 1973, P. 68.
PUBL. DATE...: AUG 1973
TYPE.....: PERIODICAL

KEYWORDS.....: FLYWHEELS/FLYWHEEL TRANSAXLE/VEHICLES/REGENERATIVE
BRAKING/ENERGY STORAGE

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 98 TITLE.....: KINETIC ENERGY STORAGE: A 'NEW' PROPULSION ALTERNATIVE FOR
MASS TRANSPORTATION
AUTHORS.....: LAWSON, L. J.
SOURCE.....: PRESENTED AT ASME INTERSOCIETY CONFERENCE ON TRANSPORTATION
DENVER, CO, SEPT. 1973.
PUBL. DATE...: SEP 1973
TYPE.....: PRESENTED PAPER
- 99 TITLE.....: STORED ENERGY IN A SPINNING DISK COULD ALLEVIATE THE ENERGY
CRISIS
AUTHORS.....: PRODUCT ENGINEERING
SOURCE.....: PRODUCT ENG. 44, 27 (OCT. 1973)
PUBL. DATE...: OCT 1973
KEYWORDS.....: FLYWHEELS/ENERGY/CONSERVATION/VEHICLES
- 100 TITLE.....: FLYWHEEL ENERGY PROPULSION AND THE ELECTRIC VEHICLE
AUTHORS.....: WEBER, R. / MENKES, S.
ORGANIZATION: CITY COLLEGE OF NEW YORK, DEPT. OF MECHANICAL ENGINEERING
SOURCE.....: PROC. 3RD INT. ELECTR. VEH. SYMP. AND EXPO., WASH., D.C. FEB.
19-21, 1974. PAPER 7458.
PUBL. DATE...: 1974
TYPE.....: REPORT
KEYWORDS.....: FLYWHEELS/VEHICLES/HYBRID VEHICLES/MAGNETIC BEARINGS
- 101 TITLE.....: ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC-
DRIVE AUTOMOBILE
AUTHORS.....: POST, R.F.
ADDRESS.....: WALNUT CREEK, CA.
SOURCE.....: SPEECH

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 101 TITLE.....: ENERGY CONSERVATION FACTORS FOR A HIGH-EFFICIENCY ELECTRIC- (CONTD.)
PUBL. DATE...: 1974
TYPE.....: SPEECH OR PRESENTATION

KEYWORDS.....: FLYWHEELS/HYBRID VEHICLES/ENERGY STORAGE
- 102 TITLE.....: EMISSION CHARACTERISTICS OF A PRIME MOVER FOR HYBRID
VEHICLE USE

AUTHORS.....: ALLSUP, J.R./FLEMING, R.D.

ORGANIZATION: BUREAU OF MINES, BARTLESVILLE ENERGY RESEARCH CENTER
ADDRESS.....: BARTLESVILLE, OKLA. (USA)

SOURCE.....: BM-RI--7988
PUBL. DATE...: 1974

CATEGORY.....: ENERGY CONVERSION ENVIRONMENTAL STUDIES

KEYWORDS.....: AUTOMOBILES / CARBON MONOXIDE/CATALYTIC
CONVERTERS/DYNAMOMETERS/EXHAUST GASES/FLYWHEELS/FUEL
SYSTEMS/HYBRID ELECTRIC-POWERED VEHICLES/HYBRID
SYSTEMS/HYDROCARBONS/NITROGEN OXIDES/SPARK IGNITION ENGINES/
- 103 TITLE.....: SAFETY REVIEW OF THE KINETIC ENERGY WHEEL (KEW) SYSTEM FOR
BUS APPLICATION

AUTHORS.....: NATIONAL ACADEMY OF SCIENCES

ORGANIZATION: NATIONAL ACADEMY OF SCIENCES
ADDRESS.....: WASHINGTON, DC

PUBL. DATE...: 1974

KEYWORDS.....: BUSES /ELECTRIC-POWERED
VEHICLES/FLYWHEELS/HAZARDS/INSPECTION/MATERIALS/NONDESTRUCTIVE
TESTING/SAFETY / SAFETY ENGINEERING/STRESS ANALYSIS/
- 104 TITLE.....: SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR,

AUTHORS.....: GULIA, N. V. / YUDOVSKII, I. D.

ORGANIZATION: KURSK POLYTECH. INST., USSR

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 104 TITLE.....: SYNTHESIS OF THE BELT OF A DISCRETE BELT VARIATOR (CONTD.)
SOURCE.....: IZV. VYSSH. UCHEBN. ZAVED., MASHINOSTR. 9, 1974.
PUBL. DATE...: 1974
TYPE.....: JOURNAL ART.
- KEYWORDS.....: ACCELERATION/ AUTOMOBILES/ DESIGN/ ENERGY STORAGE/
FLYWHEELS/ MACHINE PARTS
- 105 TITLE.....: GYROSCOPIC EFFECT OF FLYWHEELS IN MACHINES
AUTHORS.....: GULIA, N. V. ET AL
- SOURCE.....: RUSS. ENG. J. (ENGL. TRANS.) 54, 7, 1974 RUSS. ENG. J.
(ENGL. TRANS.) 54, 7, 41-43 1974
PUBL. DATE...: 1974
TYPE.....: JOURNAL TRANSLATION
- KEYWORDS.....: ANGULAR VELOCITY/ AUTOMOBILES/ ENERGY STORAGE/ FLYWHEELS/
MECHANICS/ ROTATION/GYROSCOPIC EFFECT/INERTIA
STORAGE/ANGULAR VELOCITY/ VEHICLES/CALCULATIONS
- 106 TITLE.....: BATTERY POWERED VEHICLE DRIVE
AUTHORS.....: DEANE, C. T.
- SOURCE.....: U.S. PATENT 3,874,472
PUBL. DATE...: JAN 25 1974
TYPE.....: PATENT
ASSIGNED.....: WEST VIRGINIA HIGH BIRD CORP. ,ST. ALBANS, W.VA.
- KEYWORDS.....: AUTOMOBILES/ CONTROL SYSTEMS/ DESIGN/ ELECTRIC BATTERIES/
ELECTRIC GENERATORS/ ELECTRIC MOTORS/ ELECTRIC-POWERED
VEHICLES/ FLYWHEELS/ HYBRID SYSTEMS/ MECHANICAL
TRANSMISSIONS VEHICLES/HYBRID/FLYWHEELS
- 107 TITLE.....: KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE
AUTHORS.....: BAXTER, J. W. / LAWSON, L. J.
- SOURCE.....: AUTOMOTIVE ENGINEERING CONGRESS, DETROIT, MICH., FEB. 1974,
PAPER NO. 740231.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 107 TITLE.....: KINETIC ENERGY SYSTEMS FOR MOVING PEOPLE (CONTD.)
PUBL. DATE...: FEB 1974
TYPE.....: PAPER PRESENTED AT MEETING

KEYWORDS.....: FLYWHEELS/VEHICLES/TROLLEY BUS/MASS TRANSIT
- 108 TITLE.....: FLYWHEEL BRAKES STORE NEW TRAIN'S ENERGY FOR ELECTRICITY-
SAVING STARTS; NEW YORK'S LATEST SUBWAY CARS

AUTHORS.....: ARMAGNAC, A. P.

SOURCE.....: POP. SCI. 204, 70
PUBL. DATE...: FEB 1974

KEYWORDS.....: REGENERATIVE BRAKING/FLYWHEELS/VEHICLES/MASS TRANSPORTATION
- 109 TITLE.....: A FLYWHEEL IN YOUR FUTURE

AUTHORS.....: NEWSWEEK

SOURCE.....: NEWSWEEK, FEB. 11, 1974, P. 98.
PUBL. DATE...: FEB 11 1974

KEYWORDS.....: FLYWHEELS/VEHICLES/FLYWHEEL DESIGN/REGENERATIVE BRAKING/
UTILITIES
- 110 TITLE.....: HYBRID DRIVE WITH FLYWHEEL COMPONENT FOR ECONOMIC AND
DYNAMIC OPERATION

AUTHORS.....: HELLING, J. / SCHRECK, H. / GIERA, B.

ORGANIZATION: TECH. HOCHSCH., AACHEN, GER.

SOURCE.....: PROC., 3RD INT. ELECTR. VEH. SYMP. AND EXPO. PAPER 7453
PUBL. DATE...: FEB 19 1974

LOCATION.....: WASHINGTON, D.C.
DATE.....: FEB. 19-21, 1974

KEYWORDS.....: FLYWHEELS/HYBRID/ENERGY STORAGE/ VEHICLES/INTERNAL
COMBUSTION ENGINE

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 111 TITLE.....: ELECTRICAL PROPULSION SYSTEMS FOR ROAD VEHICLES. STATE OF THE ART AND PRESENT-DAY PROBLEMS
- AUTHORS.....: BADER, C. /PLUST, H. G.
- ORGANIZATION: DEUTSCHE AUTOMOBILGES DEUTSCHE AUTOMOBILGESELLSCHAFT MBH
ADDRESS.....: ESSLINGEN, GERMANY
- SOURCE.....: PROCEEDINGS OF THE THIRD SYMPOSIUM AND EXPOSITION OF THE INSTITUTE OF ELECTRICAL VEHICLES INTERNATIONAL ELECTRICAL VEHICLE SYMPOSIUM AND EXPOSITION PROCEEDINGS, VOLUME 2 , PAPER 7478
- PUBL. DATE...: FEB 19 1974
- TYPE.....: PROCEEDINGS OF CONF.
- CONFERENCE...: 3RD INSTITUTE OF ELECTRICAL VEHICLES SYMPOSIUM AND EXPOSITION 3RD INTERNATIONAL INSTITUTE OF ELECTRICAL VEHICLE SYMPOSIUM AND EXPOSITION
- LOCATION.....: WASHINGTON, D.C.
- DATE.....: 19 FEB., 1974
- KEYWORDS.....: COST/ ELECTRIC BATTERIES/ ELECTRIC-POWERED VEHICLES/ ENERGY STORAGE/ FLYWHEELS/ FUEL CELLS/ HYBRID ELECTRIC-POWERED VEHICLES/ INTERNAL COMBUSTION ENGINES/ LEAD-ACID BATTERIES/ METAL-GAS BATTERIES/ REVIEWS
BATTERIES/HYBRIDS/VEHICLES/ALKALINE BATTERIES/HIGH TEMPERATURE/ HYDROGEN POWERED/FLYWHEELS
-
- 112 TITLE.....: METALS AND COMPOSITES IN SUPERFLYWHEEL ENERGY STORAGE SYSTEMS
- AUTHORS.....: RABENHORST, D. W.
- ORGANIZATION: JOHNS HOPKINS UNIV.
ADDRESS.....: SILVER SPRING, MD
- SOURCE.....: PROCEEDINGS OF THE 14 ANNUAL ASME SYMPOSIUM SAMPE Q., 6, 2, P. 23.
- PUBL. DATE...: FEB 28 1974
- PUBLISHER...: AMERICAN SOCIETY OF MECHANICAL ENGINEERS. NEW MEXICO SECTION
- CONFERENCE...: SYMPOSIUM ON ENGINEERING FOR THE MATERIALS ENERGY CHALLENGE
- LOCATION.....: ALBUQUERQUE, NEW MEXICO, USA
- DATE.....: 28 FEB 1974
- KEYWORDS.....: COMPOSITE MATERIALS/DESIGN/ENERGY STORAGE/FLYWHEELS/MATERIALS/MECHANICAL PROPERTIES/METALS/

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 113 TITLE.....: CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS
AUTHORS.....: AEROSPACE CORP.

SOURCE.....: VOL. IV, ELECTRIC AND HYBRID POWER SYSTEMS, ATR-74(7325)-1
PUBL. DATE...: JUL 1974
TYPE.....: REPORT

KEYWORDS.....: FLYWHEELS/VEHICLES/VEHICLE POWER/HYBRID
- 114 TITLE.....: CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.
SUBTITLE.....: VOLUME IV.ELECTRIC AND HYBRID POWER SYSTEMS
AUTHORS.....: LAPEDES,D.E./HINTON,M.G./MELTZER,J./IURA,T./DYKEMA,O.
/FORREST,L./HAGEN,K./KETTLER,J./LAFRANCE,R./SMALLEY,W.

ORGANIZATION: AEROSPACE CORP.
ADDRESS.....: EL SEGUNDO,CALIF.(USA)

SOURCE.....: EPA--460 3-74-013-D(VOL.4)
CONTRACT #...: 68-01-0417
PUBL. DATE...: JUL 1974

CATEGORY.....: ENERGY CONVERSION

KEYWORDS.....: AUTOMOBILES/DESIGN/ELECTRIC BATTERIES/ELECTRIC-POWERED
VEHICLES/ENERGY STORAGE/FLYWHEELS/FORECASTING/ HEAT ENGINES
/ HYBRID ELECTRIC-POWERED VEHICLES / HYBRID SYSTEMS/LEAD-
ACID BATTERIES/NICKEL-HYDROGEN BATTERIES/ NICKEL-ZINC
BATTERIES/PERFORMANCE/USES/
- 115 TITLE.....: CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND FUELS.
SUBTITLE.....: VOLUME I.EXECUTIVE SUMMARY
AUTHORS.....: LAPEDES,D.E./HINTON,M.G./MELTZER,J./IURA,T.

ORGANIZATION: AEROSPACE CORP.
ADDRESS.....: EL SEGUNDO,CALIF.(USA)

SOURCE.....: EPA--460 3-74-013-A(VOL.1)
CONTRACT #...: 68-01-0417
PUBL. DATE...: JUL 1974

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 115 TITLE.....: CURRENT STATUS OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS AND (CONTD.)
CATEGORY.....: ENERGY CONVERSION
KEYWORDS.....: AMMONIA / AUTOMOBILES / AUTOMOTIVE FUELS / COMPARATIVE
EVALUATIONS / DIESEL ENGINES/ELECTRIC BATTERIES/ ELECTRIC-
POWERED VEHICLES / ENGINES
/ETHANOL/FLYWHEELS/GASOLINE/HYBRID ELECTRIC-POWERED
VEHICLES/HYDRAZINE/HYDROGEN FUELS / METHANE / METHANOL
/MIXTURES/NATURAL GAS/PROPANE/PROPULSION/RANKINE CYCLE
ENGINES/STIRLING ENGINES/STRATIFIED CHARGE
ENGINES/SYNTHETIC FUELS/SYNTHETIC PETROLEUM/WANKEL ENGINES/
- 116 TITLE.....: ATA RAIL TRANSIT CONFERENCE. CAR EQUIPMENT SESSIONS.
AUTHORS.....: LAWSON, L. J. / ET AL.
ORGANIZATION: AMER. TRANSIT ASSN.
ADDRESS.....: WASHINGTON, D. C.
SOURCE.....: PAPERS PRESENTED AT ATA RAIL TRANSIT CONF. SAN FRANCISCO,
CA., APR. 14-16, 1974 REPORT NO. ATA/RT-74/1
PUBL. DATE...: AUG 1974
KEYWORDS.....: FLYWHEELS/URBAN TRANSPORT/SAN FRANCISCO MUNI/BUSSES/D.C.
MOTORS/ BATTERIES/ TRAINS
- 117 TITLE.....: HYBRID AUTOMOTIVE ENGINE WITH KINETIC ENERGY STORAGE
AUTHORS.....: SCHRECK, H./TORRES, F.
ORGANIZATION: TECHNISCHE HOCHSCHULE
ADDRESS.....: AACHEN GERMANY
SOURCE.....: CONF-741151-- (GERMAN)
PUBL. DATE...: SEP 1974
CONFERENCE...: SECOND SYMPOSIUM ON LOW POLLUTION POWER SYSTEMS DEVELOPMENT
LOCATION.....: DUSSELDORF, F.R.GERMANY
DATE.....: 4 NOV 1974
KEYWORDS.....: AUTOMOBILES/FLYWHEELS/FUEL CONSUMPTION/HYBRID
SYSTEMS/PERFORMANCE TESTING/SPARK IGNITION ENGINES/

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 118 TITLE.....: STATUS REVIEW OF HYBRID HEAT ENGINE BATTERY AND HEAT ENGINE
FLYWHEEL VEHICLES
- AUTHORS.....: LAPEDES, D.E./MELTZER, J.
- ORGANIZATION: AEROSPACE CORP.
ADDRESS.....: EL SEGUNDO, CA
- SOURCE.....: CONF-741151--
PUBL. DATE...: SEP 1974
- CONFERENCE...: SECOND SYMPOSIUM ON LOW POLLUTION POWER SYSTEMS DEVELOPMENT
LOCATION.....: DUSSELDORF, F.R.GERMANY
DATE.....: 4 NOV 1974
- KEYWORDS.....: AUTOMOBILES/CARBON MONOXIDE/COMPUTER
CALCULATIONS/COST/DESIGN/DYNAMOMETERS/EFFICIENCY/ELECTRIC
BATTERIES/ EXHAUST GASES / FEASIBILITY STUDIES / FLYWHEELS
/FUEL CONSUMPTION/FUNCTIONAL MODELS/GAS TURBINES/HYBRID
ELECTRIC-POWERED VEHICLES / HYBRID
SYSTEMS/HYDROCARBONS/LEAD-ACID
BATTERIES/MATERIALS/MECHANICAL TRANSMISSIONS/ MOCKUP
/NICKEL-ZINC BATTERIES/NITROGEN OXIDES/PERFORMANCE
TESTING/PROPULSION/RESEARCH PROGRAMS/SIMULATION/SPARK
IGNITION ENGINES/STIRLING ENGINES/TESTING/
- 119 TITLE.....: ALTERNATIVE PRIME MOVERS FOR FUTURE AUTOMOBILES
SUBTITLE.....: INCLUDES RESULTS OF TESTS ON VARIOUS VEHICLES MADE BY THE U.
S. ENVIRONMENTAL PROTECTION AGENCY
- AUTHORS.....: STERNLICHT, B./THUR, G.M.
- ORGANIZATION: MECHANICAL TECH., INC.
ADDRESS.....: LATHAM, NY
- SOURCE.....: CONF-741151--
PUBL. DATE...: SEP 1974
- CONFERENCE...: SECOND SYMPOSIUM ON LOW POLLUTION POWER SYSTEMS DEVELOPMENT
LOCATION.....: DUSSELDORF, F.R.GERMANY
DATE.....: 4 NOV 1974
- KEYWORDS.....: ACCELERATION/AIR POLLUTION/AMMONIA/AUTOMOBILES/AUTOMOTIVE
FUELS/CARBON MONOXIDE/COST/DIESEL ENGINES/DYNAMOMETERS/
ELECTRIC BATTERIES/ELECTRIC-POWERED VEHICLES/ENERGY
CONSERVATION/ENERGY STORAGE/ENGINES/ETHANOL/EXHAUST GASES
/FEDERAL DRIVING CYCLE/FLYWHEELS/FUEL
CONSUMPTION/HYDRAZINE/HYDROCARBONS/HYDROGEN
FUELS/MATERIALS/METHANE/METHANOL/ NITROGEN OXIDES /
PERFORMANCE / PETROLEUM /PROJECT INDEPENDENCE/RANKINE CYCLE
ENGINES/SHALE OIL/ SPARK IGNITION ENGINES/
STORAGE/STRATIFIED CHARGE ENGINES/TESTING/WANKEL ENGINES/

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 120 TITLE.....: KINETIC ENERGY STORAGE FOR MASS TRANSPORTATION
AUTHORS.....: LAWSON, L. J.
ORGANIZATION: LOCKHEED MISSILES AND SPACE CO.
ADDRESS.....: SUNNYVALE,CA
SOURCE.....: CONF-740641--1
PUBL. DATE...: SEP 1974
PUBLISHER....: MECH.ENG. 96 9
CONFERENCE...: CONFERENCE ON ADVANCED ENERGY SYSTEMS
LOCATION.....: DENVER,COLORADO,USA
DATE.....: 20 JUN 1974
CATEGORY.....: ELECTRONICS AND ELECTRICAL ENGINEERING ENERGY SOURCES
ENGINEERING
KEYWORDS.....: AIR POLLUTION / AUTOMOBILES / EFFICIENCY / ELECTRIC
GENERATORS/ENERGY SHORTAGES/ENERGY SOURCES/ENERGY STORAGE /
ENVIRONMENTAL EFFECTS/FLYWHEELS/HEAT ENGINES/KINETIC
ENERGY/MOTORS/NOISE/TRANSPORTATION SYSTEMS/URBAN AREAS/
- 121 TITLE.....: IMPROVED REGENERATIVE BRAKING SYSTEM
AUTHORS.....: HYNE, A. / ZUCKER, O.
SOURCE.....: DISCLOSURE, INVENTION CASE NO. IL-5925, 1974.
PUBL. DATE...: SEP 24 1974
TYPE.....: INVENTION DISCLOSURE
- 122 TITLE.....: THE KINETIC ENERGY WHEEL
SUBTITLE.....: A MEANS OF REDUCING POLLUTION WHILE CONSERVING RESOURCES
AUTHORS.....: LAWSON, L. J.
ORGANIZATION: INSTITUTE OF ENVIRONMENTAL SCIENCES
SOURCE.....: 21ST ANNUAL TECHNICAL MEETING OF THE INSTITUTE OF
ENVIRONMENTAL SCIENCES.VOLS.I AND II ,130
PUBL. DATE...: 1975
CONFERENCE...: 21.ANNUAL TECHNICAL MEETING OF THE INSTITUTE OF
ENVIRONMENTAL SCIENCES
LOCATION.....: ANAHEIM,CA
DATE.....: 14 APR 1975

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 122 TITLE.....: THE KINETIC ENERGY WHEEL (CONTD.)
KEYWORDS.....: ELECTRIC POWER/ENERGY CONSERVATION/ENERGY
CONSUMPTION/ENERGY STORAGE/ENVIRONMENTAL
EFFECTS/FLYWHEELS/KINETIC ENERGY /VEHICLES/ ENERGY
STORAGE/ENVIRONMENT VEHICLES/TRANSPORTATION/FLYWHEELS
- 123 TITLE.....: NEW YORK SUBWAY TRIES OUT FLYWHEEL ENERGY STORAGE
AUTHORS.....: RAILWAY GAZETTE INTERNATIONAL

SOURCE.....: (JAN 1975)=(23-24)
PUBL. DATE...: JAN 1975

KEYWORDS.....: MASS
TRANSPORTATION/VEHICLES/FLYWHEELS/CHOPPERS/REGENERATIVE
BRAKING/HYBRID/ENERGY STORAGE
- 124 TITLE.....: AUTOMOBILE AIR POLLUTION, PART 4. NEW AUTOMOTIVE ENGINES (A
BIBLIOGRAPHY WITH ABSTRACTS). PERIOD COVERED: 1970-DEC.
1974.

AUTHORS.....: LEHMANN, E. J.

ORGANIZATION: NTIS
ADDRESS.....: SPRINGFIELD, VA.

SOURCE.....: NTIS/PS-75/312
PUBL. DATE...: FEB 1975
PUBLISHER....: NTIS

KEYWORDS.....: AIR POLLUTION/ AUTOMOBILES/ BIBLIOGRAPHIES/ DESIGN/
ENGINES/ EXHAUST GASES/ FLYWHEELS/ GAS TURBINES/ HYBRID
ELECTRIC-POWERED VEHICLES/ HYBRID SYSTEMS/ RANKINE CYCLE
ENGINES/ ROTARY ENGINES/ STRATIFIED CHARGE ENGINES
- 125 TITLE.....: DYNAMIC BRAKING
AUTHORS.....: KALRA, P.

ORGANIZATION: BECHTEL, INC.
ADDRESS.....: SAN FRANCISCO, CA.

SOURCE.....: IEEE SPECTRUM, V 12, NO. 5, MAY 1975, P. 63

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 125 TITLE.....: DYNAMIC BRAKING (CONTD.)
PUBL. DATE...: MAY 05 1975
- KEYWORDS.....: DYNAMIC BRAKING /FLYWHEELS/ENERGY STORAGE/THYRISTOR
INVERTOR- RECUPERATIVE/RAPID TRANSIT/RAIL TRANSIT
- 126 TITLE.....: VEHICLE POWER SYSTEM FOR LIMITED VEHICLE MOVEMENT WITHOUT
USE OF FUEL
- AUTHORS.....: STROHLEIN, J.N.
- SOURCE.....: US PATENT 3,882,950 FILED DATE 11 JUL 1972
PUBL. DATE...: MAY 13 1975
TYPE.....: PATENT
- KEYWORDS.....: FLYWHEEL/VEHICLE/HYBRID/TRANSFERENCE OF ENERGY/AUTOMATIC
RECHARGE
- 127 TITLE.....: THREE MILE ISLAND NUCLEAR STATION, UNIT 2. LICENSE
APPLICATION, FSAR, AMENDMENT 27
SUBTITLE....: RESPONSES TO FIRST ROUND NRC QUESTIONS PERTAINING TO PUMP
FLYWHEEL INTEGRITY
- AUTHORS.....: METROPOLITAN EDISON CO.
- ORGANIZATION: METROPOLITAN EDISON CO..
ADDRESS.....: READING, PA. (USA)
- PUBL. DATE...: MAY 16 1975
TYPE.....: DOCKET-50320--145
- KEYWORDS.....: FLYWHEELS/PUMPS/REACTOR COOLING
SYSTEMS/SPECIFICATIONS/THREE MILE ISLAND-2 REACTOR/
- 128 TITLE.....: INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF
ENERGY MANAGEMENT
- AUTHORS.....: BEACHLEY, N. H. / FRANK, A. A.
- ORGANIZATION: DEPT. OF TRANSPORTATION
ADDRESS.....: CAMBRIDGE, MASS.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 128 TITLE.....: INCREASED FUEL ECONOMY IN TRANSPORTATION SYSTEMS BY USE OF (CONTD.)
SOURCE.....: DOT-TSC-OST-75-31. ALSO: CONF-750123
PUBL. DATE...: JUN 1975
TYPE.....: REPORT
PUBLISHER....: DOT

CONFERENCE...: CONTRACTORS COORDINATION MEETING
LOCATION.....: CAMBRIDGE, MASS.
DATE.....: 15 JAN 1975

KEYWORDS.....: AUTOMOBILES/ BRAKES/ COMPUTER CALCULATIONS/ EXHAUST GASES/
FLYWHEELS/ FUEL CONSUMPTION/ INTERNAL COMBUSTION ENGINES/
MATHEMATICAL MODELS/ MECHANICAL TRANSMISSIONS/ SIMULATION
- 129 TITLE.....: HYBRID POWER SYSTEM

AUTHORS.....: SUGIYAMA,H./HIROTA,T./KAKEI,J./KABASAWA,Y.

SOURCE.....: US PATENT 3,886,810 PRIORITY DATE 21 SEP 1973,JAPAN
PUBL. DATE...: JUN 03 1975
TYPE.....: PATENT
ASSIGNED.....: NISSAN MOTOR CO.,LTD.

KEYWORDS.....: AUTOMOBILES/CONTROL SYSTEMS/DESIGN/FLYWHEELS/HYBRID
SYSTEMS/MECHANICAL TRANSMISSIONS/
- 130 TITLE.....: FLYWHEELS - FLYWHEEL IN AUTO TO REPLACE GASOLINE

AUTHORS.....: MACHINE DESIGN

SOURCE.....: MACHINE DESIGN 47:12 AUGUST 07, 1975
PUBL. DATE...: AUG 1975
- 131 TITLE.....: HYBRID VEHICLES

AUTHORS.....: VIVIAN, H. C.

ORGANIZATION: CALIF. INST. OF TECHNOLOGY
ADDRESS.....: PASADENA, CA.

SOURCE.....: NP-20719-P2
PUBL. DATE...: AUG 1975

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 131 TITLE.....: HYBRID VEHICLES (CONTD.)
TYPE.....: REPORT
- KEYWORDS.....: VEHICLES/HYBRID/ECONOMICS/WEIGHT/SAFETY/ELECTRIC-FLYWHEEL
VEHICLES/ENERGY STORAGE
- 132 TITLE.....: IDEAS AND EXPERIMENTS IN MAGNETIC INTERFACING
AUTHORS.....: AALAND, K. / LANE, J. E.
- ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
- SOURCE.....: UCRL-77486. ALSO: CONF-751133-6
PUBL. DATE...: DEC 10 1975
TYPE.....: REPORT
PUBLISHER....: LLL
- CONFERENCE...: FLYWHEEL TECHNOLOGY SYMPOSIUM
LOCATION.....: BERKELEY, CA.
DATE.....: 10 NOV 1975
- KEYWORDS.....: AUTOMOBILES/ BENCH-SCALE EXPERIMENTS/ COMPOSITE MATERIALS/
CONTROL SYSTEMS/ ELECTRIC GENERATORS/ ELECTRIC MOTORS/
ENERGY STORAGE/ FIBERS/ FLYWHEELS/ LEVITATION/ MAGNETIC
BEARINGS/ SIMULATION
- 133 TITLE.....: HYBRID DRIVE WITH KINETIC ENERGY STORE AS VEHICLE DRIVE
AUTHORS.....: SCHRECK, H. / TORRES, F.
- ORGANIZATION: TECHNISCHE HOCHSCHULE AACHEN (F.R. GERMANY)
- SOURCE.....: HYBRIDENTRIEB MIT KINETISCHEM ENERGIESPEICHER ALS
FAHRZEUGANTREIB
PUBL. DATE...: FEB 1976
TYPE.....: TRANSLATION
- KEYWORDS.....: AUTOMOBILES/ FLYWHEELS/ FUEL CONSUMPTION/ FUNCTIONAL
MODELS/ HYBRID SYSTEMS/ INTERNAL COMBUSTION ENGINES/
PERFORMANCE TESTING/ REGENERATIVE BRAKING

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

II FLYWHEELS IN VEHICLES

- 134 TITLE.....: BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 1, SYSTEM DESCRIPTION.
AUTHORS.....: DAVIS, D. D.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCID-17098-VOLUME-1
PUBL. DATE...: APR 15 1976
- 135 TITLE.....: BATTERY-FLYWHEEL HYBRID ELECTRIC POWER SYSTEM FOR NEAR-TERM APPLICATION, VOL. 2, SYSTEM DESIGN.
AUTHORS.....: DAVIS, D. D.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCID-17098-VOLUME-2
PUBL. DATE...: APR 15 1976
- 136 TITLE.....: FLYWHEELS - PRACTICAL FLYWHEEL ENGINE: WILL FIBER GLASS BE THE ANSWER?
AUTHORS.....: IL BUS W
SOURCE.....: IL BUS W P. 109 MAY 03, 1976
PUBL. DATE...: MAY 03 1976
- 137 TITLE.....: FLYWHEELS: ENERGY-SAVING WAY TO GO
AUTHORS.....: ENVIRONMENTAL SCIENCE AND TECHNOLOGY
SOURCE.....: ENVIRONMENTAL SCIENCE AND TECHNOLOGY, VOL 10, JULY 1976, P. 636-639
PUBL. DATE...: JUL 1976
KEYWORDS.....: FUNDING/STATE-OF-THE-ART/HYBRIDS/FLYWHEELS/COMPOSITES/REVIEW/ SOVIET FLYWHEELS/ACT-1 CARS/R-32 CARS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 138 TITLE.....: ENERGY STORING MASS AND METHOD FOR MAKING
AUTHORS.....: CALL, B. J.

SOURCE.....: U. S. PATENT 3,496,799, SEPT. 1966.
PUBL. DATE...: SEP 1966
TYPE.....: PATENT
- 139 TITLE.....: MOMENTUM EXCHANGE ACQUISITION SYSTEM, FINAL REPORT
AUTHORS.....: FISCHER, WM. A.

SOURCE.....: AD-813466, AFAPL TR-67-9
CONTRACT #...: AF 33(615)-3243, PROJ. AF-3145, TASK 314502
PUBL. DATE...: MAR 1967
- 140 TITLE.....: FLYWHEEL STABILIZATION OF A RIGID BODY SUBJECTED TO
CONSTANTLY APPLIED PERTURBATIONS
AUTHORS.....: DERGACHEVA, E. I.

SOURCE.....: AUTOMATION AND REMOTE CONTROL, P 25, JAN 1968.
PUBL. DATE...: JAN 1968
- 141 TITLE.....: EMERGENCY PUMP SYSTEMS ARE BOOTSTRAPS TO POWER
AUTHORS.....: PRODUCT ENG.

SOURCE.....: PRODUCT ENG. 39, P 138, MAY 20, 1968
PUBL. DATE...: MAY 20 1968
- 142 TITLE.....: FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE
AUTHORS.....: SVENSSON, A. / WETHERBEE, A. E.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 142 TITLE.....: FEASIBILITY OF FLYWHEEL HIGH-ENERGY STORAGE (CONTD.)
ORGANIZATION: PRATT AND WHITNEY AIRCRAFT
ADDRESS.....: EAST HARTFORD, CONN.

SOURCE.....: REPORT PWA-3676
PUBL. DATE...: APR 15 1969
TYPE.....: REPORT

KEYWORDS.....: FLYWHEELS/COMPOSITE MATERIALS/FLYWHEEL FABRICATION/
FLYWHEELS-HIGH ENERGY
- 143 TITLE.....: FINAL DESIGN REPORT, PROTOTYPE GEARBOX FLYWHEEL (FLYBOX)
FOR STORED ENERGY ROTARY DRIVE SHIPBOARD CATAPULT

AUTHORS.....: NELLIS, V. C.

ORGANIZATION: GENERAL ELECTRIC CO.
ADDRESS.....: LYNN, MASS.

SOURCE.....: REPORT NO. NAEC-ENG-7657, PREPARED FOR NAVAL AIR ENGINEER-
ING CENTER, PHILADELPHIA, PA.
PUBL. DATE...: 1970
TYPE.....: REPORT

KEYWORDS.....: FLYWHEELS/FLYBOX/FLYWHEEL DESIGN/SHIPBOARD CATAPULT/ ENERGY
STORAGE
- 144 TITLE.....: FIRST NATIONAL CITY BANK USES CONSTANT-POWER SYSTEM FOR
COMPUTERS

AUTHORS.....: ORTIZ, J. V.

ORGANIZATION: SYSKA AND HENNESSY, INC. ENGINEERS
ADDRESS.....: NEW YORK, N.Y.

SOURCE.....: ELEC. CONSTR. MAINT. 69, 1, JAN 1970 ELECTRICAL
CONSTRUCTION AND MAINTENANCE 69, 1, 96-97
PUBL. DATE...: JAN 1970
TYPE.....: PERIODICAL

KEYWORDS.....: COMPUTERS/ DIESEL ENGINES/ ENERGY STORAGE/ FLYWHEELS/ POWER
SUPPLIES/POWER FAILURE/FLYWHEELS/DIESEL ELECTRIC
SETS/UTILITIES/CONSTANT POWER SYSTEM/ENERGY STORAGE

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 145 TITLE.....: FLYWHEEL GENERATORS FOR INSTANT POWER
AUTHORS.....: ASHMOLE, P. H.

SOURCE.....: ELECTR. TIMES 157, 4, 45
PUBL. DATE...: JAN 22 1970
TYPE.....: PERIODICAL

KEYWORDS.....: ALTERNATING CURRENT/ ELECTRIC GENERATORS/ ENERGY STORAGE/
FLYWHEELS/ GAS TURBINES/ TRANSIENTS
- 146 TITLE.....: ACHIEVEMENTS AND PROSPECTS IN THE UTILIZATION OF KINETIC
ENERGY
AUTHORS.....: GROSU, S. I.

SOURCE.....: IEEE TRANS. IND. AND GEN. APPLICATIONS 6, P 647, NOV 1970.
PUBL. DATE...: NOV 1970
- 147 TITLE.....: POWER-SYSTEMS RESEARCH SHIFTS TO MEET SOCIAL GOALS
AUTHORS.....: CHEM. ENG.

SOURCE.....: CHEM. ENG. 77, P 48, NOV. 2, 1970.
PUBL. DATE...: NOV 02 1970
- 148 TITLE.....: OPERATING LARGE EXCAVATORS ON SMALL POWER SYSTEMS
AUTHORS.....: KILGORE, L. A. / WASHBURN, D. C.

SOURCE.....: ENG. AND MIN. J. 172, 131 (JUNE 1971)
PUBL. DATE...: JUN 1971

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 149 TITLE.....: HYDRAULIC TRANSMISSION COUPLED STANDBY POWER UNIT
AUTHORS.....: DYNAMICS CORP.

SOURCE.....: (FILED)=(FILED DATE)
PUBL. DATE...: DEC 15 1971
TYPE.....: PATENT
ASSIGNED.....: DYNAMICS CORP.

KEYWORDS.....: FLYWHEELS/HYDRAULIC POWER/ENERGY STORAGE/STANDBY/HYBRID/
POWER SYSTEM
- 150 TITLE.....: LOW PEAK TEMPERATURES AND HYDRODYNAMIC BEARINGS - KEY TO
LONG LIFE ORGANIC RANKINE CYCLE SYSTEMS
AUTHORS.....: BORETZ, J. E.

SOURCE.....: 7TH. INTERSOC. ENERGY CONVERSION ENG. CONF., 1972.
PUBL. DATE...: 1972
TYPE.....: PROCEEDINGS
- 151 TITLE.....: FLYWHEEL ENERGY BUFFER
AUTHORS.....: JAKUBOWSKI, M.
ORGANIZATION: IBM SYSTEMS DEVELOPMENT DIVISION
ADDRESS.....: ENDICOTT, NY
SOURCE.....: 7TH INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE
1972, SAN DIEGO, CA. PAPER 729170 P. 1141-1145
PUBL. DATE...: SEP 1972
TYPE.....: CONFERENCE PAPER

CATEGORY.....: ENERGY STORAGE
KEYWORDS.....: FLYWHEELS/ENERGY STORAGE/UTILITIES/ECONOMICS
- 152 TITLE.....: ACHIEVING HIGH ENERGY EFFICIENCY
AUTHORS.....: INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 152 TITLE.....: ACHIEVING HIGH ENERGY EFFICIENCY (CONTD.)
SOURCE.....: INTERSOC. ENERGY CONVERSION ENG. CONF., 1973, PAPER 739114,
P. 232.
PUBL. DATE...: 1973
- 153 TITLE.....: SUPERFLYWHEEL
AUTHORS.....: RABENHORST, D. W.
ORGANIZATION: MARYLAND UNIV., COLLEGE PARK (USA). DEPT. OF MECHANICAL
ENGINEERING
ADDRESS.....: JOHN HOPKINS UNIV., APPLIED PHYS. LAB.
SOURCE.....: CONF-730350--P1
PUBL. DATE...: 1973
TYPE.....: PROCEEDINGS OF THE SOLAR HEATING AND COOLING FOR BUILDINGS
WORKSHOP, WASHINGTON, DC. MARCH 21-23, 1973. PART I } TECHNICAL
SESSIONS, MARCH 21 AND 22
CONFERENCE...: SOLAR HEATING AND COOLING FOR BUILDINGS WORKSHOP
LOCATION.....: WASHINGTON, DISTRICT OF COLUMBIA, USA
DATE.....: 21 MAR 1973
KEYWORDS....: ENERGY STORAGE/FLYWHEELS/ROTATION/SOLAR ENERGY
CONVERSION/STRESSES/
- 154 TITLE.....: ENERGY STORAGE VIA FLYWHEELS
AUTHORS.....: GILMAN, J. J. / HUCKE, E. E.
SOURCE.....: CONF-730749--P2
PUBL. DATE...: JUL 1973
TYPE.....: PRELIMINARY REPORTS, MEMORANDA AND TECHNICAL NOTES OF THE
MATERIALS RESEARCH COUNCIL SUMMER CONFERENCE, LA JOLLA,
CALIFORNIA. VOL. II PROCEEDINGS OF THE DISCUSSION GROUP ON
SOLAR ENERGY CONVERSION
CONFERENCE...: MATERIALS RESEARCH COUNCIL SUMMER CONFERENCE, LA JOLLA
LOCATION.....: LA JOLLA, CALIFORNIA, USA
DATE.....: 5 JUL 1973
KEYWORDS....: EFFICIENCY/ENERGY STORAGE/FEASIBILITY
STUDIES/FLYWHEELS/KINETIC ENERGY/PERFORMANCE/STRESSES/

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 155 TITLE.....: NEW UNINTERRUPTIBLE POWER SYSTEM ALTERNATIVES USING HIGH
CAPACITY KINETIC ENERGY WHEELS

AUTHORS.....: LAWSON, L. J.

ORGANIZATION: LOCKHEED MISSILES AND SPACE CO.
ADDRESS.....: SUNNYVALE, CA.

SOURCE.....: IEEE IND. APPL. SOC. ANNU. MEET., 8TH, CONF. REC. PAP.
PUBL. DATE...: OCT 08 1973

LOCATION.....: MILWAUKEE, WIS.
DATE.....: OCT 8-11, 1973

KEYWORDS.....: FLYWHEELS/ENERGY STORAGE/UNINTERRUPTIBLE POWER SYSTEMS/
UTILITIES/NO-BREAK SET
- 156 TITLE.....: INVESTIGATION OF THE HOMOPOLAR MOTOR-GENERATOR AS A POWER
SUPPLY FOR CONTROLLED FUSION EXPERIMENTS

AUTHORS.....: RYLANDER, H.G./ROWBERG, R.E./TOLK, K.M./WELDON, W.F./WOODSON, H.
H.

ORGANIZATION: UNIV. OF TEXAS
ADDRESS.....: AUSTIN, TEXAS

SOURCE.....: PROCEEDINGS OF THE FIFTH SYMPOSIUM ON ENGINEERING PROBLEMS
OF FUSION RESEARCH, P. 447
PUBL. DATE...: NOV 06 1973
PUBLISHER....: INST. OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC. NEW YORK
1974

CONFERENCE...: 5. SYMPOSIUM ON ENGINEERING PROBLEMS OF FUSION RESEARCH
LOCATION.....: PRINCETON, NEW JERSEY, USA

KEYWORDS.....: EFFICIENCY/ELECTRIC GENERATORS/ENERGY STORAGE/
FLYWHEELS/POWER SUPPLIES/THERMONUCLEAR REACTORS/ HOMOPOLAR
MACHINE/ENERGY STORAGE/THERMONUCLEAR REACTORS
- 157 TITLE.....: SUPERFLYWHEEL ENERGY STORAGE SYSTEM

AUTHORS.....: RABENHORST, D. W.

ORGANIZATION: APPLIED PHYSICS LAB., JOHNS HOPKINS UNIV.
ADDRESS.....: SILVER SPRING, MD.

SOURCE.....: NASA LEWIS RES. CENTER WIND ENERGY SYSTEMS
PUBL. DATE...: DEC 1973

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 157 TITLE.....: SUPERFLYWHEEL ENERGY STORAGE SYSTEM (CONTD.)
KEYWORDS.....: FLYWHEELS/SUPER FLYWHEELS/STEEL FLYWHEEL/ENERGY
STORAGE/SOLAR ENERGY/BATTERIES/WIND ENERGY/DESIGN/SAFETY
- 158 TITLE.....: COMPUTER CONTROLLED 125 MVA POWER SUPPLY FACILITY FOR
NUCLEAR FUSION RESEARCH
AUTHORS.....: MIYAHARA, A. / BANNAI, E. / KITANO, Y.
ADDRESS.....: JAPAN
SOURCE.....: TOSHIBA REV., INT. ED. 94, 1974, 7-13 (1974, 7-13)=(7-13)
PUBL. DATE...: 1974
KEYWORDS.....: COMPUTER CALCULATIONS/ CONTROL SYSTEMS/ FLYWHEELS/ POWER
SUPPLIES/ THERMONUCLEAR REACTORS
- 159 TITLE.....: INDEPENDENT ENERGY SYSTEMS FOR BETTER EFFICIENCY
SUBTITLE.....: ON-SITE POWER GENERATION
AUTHORS.....: MARSHALL, O.W./MORASH, R.T./BARBER, R.J.
ORGANIZATION: ROSEL LABS.
ADDRESS.....: BRADENTON, FL
SOURCE.....: SEE CONF-740805--
PUBL. DATE...: 1974
TYPE.....: 9TH INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE
PROCEEDINGS
PUBLISHER....: AMERICAN SOCIETY OF MECHANICAL ENGINEERS NEW YORK
CONFERENCE...: 9. INTERSOCIETY ENERGY CONVERSION ENGINEERING CONFERENCE
LOCATION.....: SAN FRANCISCO, CALIFORNIA, USA
DATE.....: 26 AUG 1974
KEYWORDS.....: AIR CONDITIONING / DIESEL ENGINES /
ECONOMICS/EFFICIENCY/ELECTRIC GENERATORS/ELECTRIC
POWER/ENERGY CONVERSION/ENERGY STORAGE / ENERGY SUPPLIES /
FLYWHEELS / HEATING/HOUSES/PLANNING/POWER PLANTS/SITE
SELECTION/SOLAR ENERGY/TOTAL ENERGY SYSTEMS/USES/WASTE
HEAT/WIND POWER/
- 160 TITLE.....: STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS--
SURVEY OF PRESENT AND PROSPECTIVE HEAT AND ENERGY STORAGE
SYSTEMS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 160 TITLE.....: STORAGE SYSTEMS FOR ENERGY PEAKING DEMANDS. FIFTEEN PAPERS-- (CONTD.)
AUTHORS.....: VDI
ORGANIZATION: VDI (VER. DTSCH. ING.)
ADDRESS.....: BERLIN, GER.
SOURCE.....: VDI BER. 223, 1974 (CONF. STUTGART, GERMANY)
PUBL. DATE...: 1974
PUBLISHER....: VDI
KEYWORDS.....: ELECTRIC BATTERIES/ ENERGY STORAGE/ FLYWHEELS/ GAS
TURBINES/ HEAT STORAGE/ LIQUEFIED NATURAL GAS/ MOLTEN
SALTS/ NUCLEAR POWER PLANTS/ OFF-PEAK ENERGY STORAGE/
PONDS/ REVIEWS/ STEAM/ SUPERCONDUCTING MAGNETS ENERGY
STORAGE/LATENT HEAT/BATTERIES/ TURBINES/SUPERCONDUCTING
MAGNETS
- 161 TITLE.....: NEW MOMENTUM FOR NUCLEAR FUSION. IN THE MAX-PLANCK-INSTITUT
IN MUENCHEN, A NEW PHASE OF PLASMA RESEARCH HAS BEGUN
SUBTITLE.....: FLYWHEELS FOR ENERGY STORAGE
AUTHORS.....: BRUNS, K.
PUBL. DATE...: JAN 1974
PUBLISHER....: WELT (HAMBURG) 26 JAN 1974 16 (IN GERMAN)
KEYWORDS.....: FUSION/FLYWHEELS/PLASMA/ENERGY STORAGE
- 162 TITLE.....: MECHANICAL AND BATTERY-STORED ENERGY SYSTEMS FOR MEETING
UNINTERRUPTIBLE AND BUFFERED ELECTRIC POWER NEEDS
AUTHORS.....: COMEAU, G. E.
ORGANIZATION: BRINCO LTD.
ADDRESS.....: MONTREAL, P.Q. CANADA
SOURCE.....: IEEE TRANS. IND. APPL., IA-10, 2, 209.
PUBL. DATE...: MAR 1974
TYPE.....: JOURNAL
PUBLISHER....: IEEE
KEYWORDS.....: COMPARATIVE EVALUATIONS/ ELECTRIC BATTERIES/ ENERGY
STORAGE/ FLYWHEELS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 163 TITLE.....: ULTRAHIGH TEMPERATURE
SUBTITLE.....: TECHNOLOGY OF CONTROLLED THERMONUCLEAR FUSION EXPERIMENTS
AND THE ENGINEERING ASPECTS OF FUSION REACTORS

AUTHORS.....: RYLANDER, H.G./WOODSON, H.H./BECKER, E.B./ROWBERG, R.

ORGANIZATION: UNIV. OF TEXAS
ADDRESS.....: AUSTIN, TEXAS

SOURCE.....: (CONF-721111--)HOMOPOLAR MOTOR-GENERATOR DESIGNS FOR CHEAP
INERTIAL ENERGY STORAGE
PUBL. DATE...: APR 1974

CONFERENCE...: INTERNATIONAL MEETING ON THE TECHNOLOGY OF CONTROLLED
THERMONUCLEAR FUSION EXPERIMENTS AND THE ENGINEERING
ASPECTS OF FUSION REACTORS
LOCATION.....: AUSTIN, TEXAS
DATE.....: 20 NOV 1972

KEYWORDS.....: DESIGN/ELECTRIC GENERATORS/ELECTRIC MOTORS/ ENERGY
STORAGE/FLYWHEELS/MASS/ROTATION/
- 164 TITLE.....: ENERGY CRISIS
SUBTITLE.....: A POWER CRISIS. NEW TECHNOLOGIES REQUIRED TO SATISFY THE
INCREASING PEAK POWER DEMAND IN EUROPE IN THE 1980'S.

AUTHORS.....: BECCU, K. D.

ORGANIZATION: BATTELLE RESEARCH CENTRE
ADDRESS.....: GENEVA, SW.

PUBL. DATE...: MAY 06 1974
PUBLISHER...: INST. OF ELECTRICAL ENGINEERS, STEVENAGE, ENG.

CONFERENCE...: CONFERENCE ON ENERGY, EUROPE, AND THE 1980'S.
LOCATION.....: LONDON, ENG.
DATE.....: 6 MAY 1974

KEYWORDS.....: ENERGY STORAGE/ENERGY CONSERVATION/NUCLEAR POWER
PLANTS/PEAK POWER SUPPLIES/ENERGY CRISIS/UTILITIES
- 165 TITLE.....: ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY

AUTHORS.....: ROBINSON, A.L.

SOURCE.....: SCIENCE 184, NO. 4138, P. 785.
PUBL. DATE...: MAY 17 1974
PUBLISHER...: SCIENCE 184 4138

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 165 TITLE.....: ENERGY STORAGE. (I): USING ELECTRICITY MORE EFFICIENTLY (CONTD.)
KEYWORDS.....: CHEMICAL REACTIONS/CHEMICAL REACTIONS/COMPRESSED
AIR/COMPRESSION/ECONOMICS/EFFICIENCY/ELECTRIC
BATTERIES/ELECTRICITY / ENERGY CONVERSION / ENERGY STORAGE
/ ENVIRONMENTAL EFFECTS / FLYWHEELS/GAS
TURBINES/HEATING/HIGH TEMPERATURE / HYDROELECTRIC POWER
PLANTS / MAGNETISM / MECHANICS / NUCLEAR POWER/PUMPED
STORAGE/STEAM TURBINES/STORED ENERGY/WATER RESERVOIRS/
- 166 TITLE.....: ENERGY STORAGE.(II):.DEVELOPING ADVANCED TECHNOLOGIES
AUTHORS.....: ROBINSON,A.L.

SOURCE.....: SCIENCE 184, NO. 4139, P. 884.
PUBL. DATE...: MAY 24 1974
PUBLISHER....: SCIENCE 184 4139

KEYWORDS.....: ELECTRIC BATTERIES / ELECTROMAGNETS / ENERGY
STORAGE/FLYWHEELS/FUSION HEAT/HYDROGEN/INVESTMENT/ MAGNETIC
FIELDS/SOLAR ENERGY/STORED
ENERGY/SUPERCONDUCTIVITY/SUPERCONDUCTORS/TRANSPORT/
- 167 TITLE.....: NO-BREAK SETS
AUTHORS.....: MOODY, R. L.

ORGANIZATION: DALE ELECTRIC OF GREAT BRITAIN, LTD
ADDRESS.....: LONDON, ENG.

SOURCE.....: STANDBY PLANT AND EMERGENCY EQUIPMENT CONFERENCE, ELECTR.
SUPERV. 54,4, JUN 1974
PUBL. DATE...: JUN 1974
TYPE.....: JOURNAL

KEYWORDS.....: ENERGY STORAGE/SHORT-TERM FAILURE/LONG-TERM
FAILURE/FLYWHEEL/ BATTERIES/HYBRID/COMPARISONS
- 168 TITLE.....: ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY
AUTHORS.....: KELLER,W.E.

ORGANIZATION: LOS ALAMOS SCIENTIFIC LAB.
ADDRESS.....: LOS ALAMOS,N.MEX.(USA)

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 168 TITLE.....: ENERGY STORAGE FOR THE ELECTRIC POWER INDUSTRY (CONTD.)
SOURCE.....: CONF-740641--1 CONFERENCE ON ADVANCED ENERGY SYSTEMS
PUBL. DATE...: JUN 20 1974

CONFERENCE...: CONFERENCE ON ADVANCED ENERGY SYSTEMS
LOCATION.....: DENVER, COLORADO, USA
DATE.....: 20 JUN 1974

KEYWORDS.....: ECONOMICS/ELECTRIC POWER/ENERGY STORAGE/
FLYWHEELS/HYDROELECTRIC POWER/POWER PLANTS/SUPERCONDUCTING
MAGNETS/
- 169 TITLE.....: CAN FLYWHEELS REPLACE PUMPED STORAGE?
AUTHORS.....: GINSBURG, T.

SOURCE.....: (BLL-CE-TRANS-6761-(9022.09) AVAIL. BRITISH LIBRARY LENDING
DIV., BOSTON SPA, ENGLAND
PUBL. DATE...: JUL 15 1974

KEYWORDS.....: FLYWHEELS/ENERGY STORAGE/OFF-PEAK ENERGY/UTILITIES/FLYWHEEL
DESIGN/FLYWHEEL MATERIALS/PUMPED STORAGE/ECONOMIC
- 170 TITLE.....: WIND POWER CONVERSION SYSTEM
AUTHORS.....: TROLL, J. H.

SOURCE.....: U.S. PATENT 3,944,840 FILED DATE 07 AUG 1974
PUBL. DATE...: AUG 07 1974
TYPE.....: PATENT

KEYWORDS.....: FLYWHEELS/ POWER GENERATION/ SPECIFICATIONS/ WIND
TURBINES/WIND TO ELECTRIC/FLYWHEEL STABILIZED/ENERGY
STORAGE/UTILITIES/ HYBRID
- 171 TITLE.....: ENERGY STORAGE TECHNOLOGY
AUTHORS.....: VANDERRYN, J.

ORGANIZATION: U.S. A.E.C. ,DIVISION OF APPLIED TECHNOLOGY
ADDRESS.....: WASHINGTON, D.C.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 171 TITLE.....: ENERGY STORAGE TECHNOLOGY (CONTD.)
PUBL. DATE...: AUG 18 1974
PUBLISHER....: AMER. SOC. OF CIVIL ENG., N.Y.

CONFERENCE...: CONVERTING EXISTING HYDRO-ELECTRIC DAMS AND RESERVOIRS INTO
PUMPED STORAGE FACILITIES
LOCATION.....: RINDGE, NEW HAMPSHIRE
DATE.....: 18 AUG., 1974

KEYWORDS.....: UTILITIES/ENERGY STORAGE/FLYWHEELS/PUMPED STORAGE/STATE-OF-
THE-ART /SOLAR ENERGY/WIND ENERGY/FLYWHEELS/COMPRESSED
AIR/HEAT STORAGE/REVIEW
- 172 TITLE.....: ENERGY STORAGE AND ITS ROLE IN ELECTRIC POWER SYSTEMS

AUTHORS.....: HAYDOCK, J. L.

SOURCE.....: WEC/CME, IX, 1 (1974), DETROIT
PUBL. DATE...: SEP 1974
TYPE.....: PROCEEDINGS

KEYWORDS.....: ENERGY STORAGE/SUPERCONDUCTING MAGNETS/HEAT STORAGE/PUMPED
STORAGE/UNDERGROUND PUMPED STORAGE/AIR STORAGE/COAL
GASIFICATION/ FLYWHEELS/BATTERIES
- 173 TITLE.....: LARGE FLYWHEEL POWER SUPPLY FOR FUSION EXPERIMENTS IN THE
MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING, GERMANY

AUTHORS.....: KNOBLOCH, A./KOTTMAYER, M./SCHLUETER, W./VAU, G.

ORGANIZATION: MAX-PLANCK-INSTITUT FUER PLASMAPHYSIK
ADDRESS.....: GARCHING, GER.

SOURCE.....: CONF-740630---/ PROCEEDINGS OF THE 8TH SYMPOSIUM ON FUSION
TECHNOLOGY
PUBL. DATE...: SEP 1974

CONFERENCE...: 8. SYMPOSIUM ON FUSION TECHNOLOGY
LOCATION.....: NOORDWIJKERHOUT, NETHERLANDS
DATE.....: 17 JUN 1974

KEYWORDS.....: DESIGN/ELECTRIC GENERATORS/ENERGY STORAGE/
FLYWHEELS/THERMONUCLEAR DEVICES/

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 174 TITLE.....: ENERGY STORAGE: INCENTIVES AND PROSPECTS FOR ITS DEVELOPMENT
AUTHORS.....: KALHAMMER, F.

SOURCE.....: AMER. CHEM. SOC. 1974 ANNUAL MEETING, SEP. 12, 1974,
ATLANTIC CITY, N. J.
PUBL. DATE...: SEP 12 1974
TYPE.....: PRESENTED PAPER

KEYWORDS.....: ENERGY STORAGE/BATTERIES/UTILITIES/CHEMICAL ENERGY
STORAGE/HYDROGEN/FLYWHEELS/FLYWHEEL DESIGN/PUMPED
STORAGE/COMPRESSED AIR STORAGE/HIGH TEMPERATURE/SOLAR ENERGY
- 175 TITLE.....: USE OF FLYWHEELS FOR ENERGY STORAGE
AUTHORS.....: RABENHORST, D. W.

SOURCE.....: PRESENTED AT FALL ACS MEET., SEP. 12, 1974, ATLANTIC CITY
PUBL. DATE...: SEP 12 1974
TYPE.....: MEETING PAPER

KEYWORDS.....: FLYWHEELS/UTILITIES/ENERGY STORAGE
- 176 TITLE.....: ASSESSMENT OF ADVANCED CONCEPTS IN ENERGY STORAGE AND THEIR
APPLICATION ON ELECTRIC UTILITY SYSTEMS
AUTHORS.....: FERNANDES, R. A. / GILDERSLEEVE, O.D. / SCHNEIDER, T. R.

SOURCE.....: CONF-740910-P6
PUBL. DATE...: SEP 22 1974
TYPE.....: CONFERENCE PAPER
PUBLISHER....: WORLD ENERGY CONFERENCE

CONFERENCE...: 9TH WORLD ENERGY CONFERENCE
LOCATION.....: DETROIT, MICH. USA
DATE.....: 22 SEP 1974

KEYWORDS.....: COMPARATIVE EVALUATIONS/ COMPRESSED AIR/ ECONOMICS/
ELECTRIC BATTERIES/ ENERGY STORAGE/ ENVIRONMENTAL EFFECTS/
FLYWHEELS/ HEAT STORAGE/ HYDROGEN/ OFF-PEAK ENERGY STORAGE/
POWER PLANTS/ SUPERCONDUCTING MAGNETS/ WATER RESERVOIRS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 177 TITLE.....: POTENTIAL FOR LARGE-SCALE ENERGY STORAGE IN ELECTRIC
UTILITY SYSTEMS
AUTHORS.....: KALHAMMER, F. / ZYGIELBAUM, P. S.
SOURCE.....: ASME WINTER MEETING, NOV. 1974. PAPER 74-WA, ENER-9.
PUBL. DATE...: NOV 1974
TYPE.....: PRESENTED PAPER
KEYWORDS.....: ENERGY STORAGE/BATTERIES/UTILITIES/CHEMICAL ENERGY
STORAGE/HYDROGEN/FLYWHEELS/FLYWHEEL DESIGN/PUMPED
STORAGE/COMPRESSED AIR STORAGE/HIGH TEMPERATURE/SOLAR ENERGY
- 178 TITLE.....: CYCLOCONVERTER-CONTROLLED SYNCHRONOUS MACHINES FOR LOAD
COMPENSATION ON AC POWER SYSTEMS
AUTHORS.....: FINLAYSON, P. T. / WASHBURN, D. C.
ORGANIZATION: WESTINGHOUSE ELECTRIC CORP.
ADDRESS.....: BUFFALO, N.Y.
SOURCE.....: IEEE TRANS. IND. APPL., IA-10, 6, 806.
PUBL. DATE...: NOV 1974
TYPE.....: JOURNAL
PUBLISHER....: IEEE
KEYWORDS.....: ALTERNATING CURRENT/ CONTROL SYSTEMS/ ELECTRIC POWER/
ENERGY STORAGE/ ENGINEERING/ FLYWHEELS/ POWER DEMAND/
TRANSIENTS/ VARIATIONS
- 179 TITLE.....: ELECTRIC POWER SYSTEMS
SUBTITLE.....: C-3 ENERGY STORAGE, TRANSMISSION AND DISTRIBUTION, ELECTRIC
POWER APPARATUS AND SYSTEMS
AUTHORS.....: ERDA
ORGANIZATION: USAEC
ADDRESS.....: WASHINGTON, D.C.
SOURCE.....: TID--26756
PUBL. DATE...: NOV 11 1974
CATEGORY.....: ADMINISTRATION ELECTRONICS AND ELECTRICAL ENGINEERING
ENERGY SOURCES

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 179 TITLE.....: ELECTRIC POWER SYSTEMS (CONTD.)
KEYWORDS.....: MANAGEMENT/PLANNING/RESEARCH PROGRAMS/ELECTRIC
BATTERIES/ENERGY STORAGE/FLYWHEELS / HYDROGEN/MAGNET
COILS/PRODUCTION/EHV SYSTEMS/ HVDC SYSTEMS/POWER
TRANSMISSION/ POWER TRANSMISSION LINES/SUPERCONDUCTING
CABLES/UNDERGROUND POWER TRANSMISSION/
- 180 TITLE.....: SKAGIT NUCLEAR POWER PROJECT, UNITS 1 AND 2. LICENSE
APPLICATION
SUBTITLE.....: PSAR VOLUME 4 DESIGN OF STRUCTURES, COMPONENTS, EQUIPMENT, AND
SYSTEMS COOLANT SYSTEMS AND ENGINEERED SAFETY FEATURES

AUTHORS.....: PUGET SOUND POWER AND LIGHT CO.

ORGANIZATION: PUGET SOUND POWER AND LIGHT CO.
ADDRESS.....: BELLEVUE, WASH. (USA)

SOURCE.....: DOCKET-STN-50522--27 DOCKET-STN-50523--27
PUBL. DATE...: 1975

KEYWORDS.....: CONCRETES/CONTAINMENT/COOLANT CLEANUP
SYSTEMS/DESIGN/ELECTRICAL EQUIPMENT/ENGINEERED SAFETY
SYSTEMS/FEEDWATER/FLOODS / FLOW REGULATORS / FLYWHEELS /
FOUNDATIONS /HYDRAULICS/INSPECTION/ISOLATION/LEAK
TESTING/MECHANICAL STRUCTURES /MISSILE PROTECTION /
PIPELINES / POWER GENERATION/PRESSURE VESSELS/PUMPS/REACTOR
COMPONENTS/REACTOR COOLING SYSTEMS/REACTOR
CORES/RUPTURES/SEISMIC EFFECTS/SKAGIT-1 REACTOR/SKAGIT-2
REACTOR/STEAM LINES/TORNADOES/TRANSIENTS/VENTILATION/WIND/
- 181 TITLE.....: ENERGY STORAGE

AUTHORS.....: KALHAMMER, F. R. / COOPER, V. R.

ORGANIZATION: EPRI
ADDRESS.....: PALO ALTO, CA

SOURCE.....: EPRI RESEARCH PROGRESS REPORT FF2, 11-17
PUBL. DATE...: JAN 1975

KEYWORDS.....: ELECTRIC POWER RESEARCH INST./ ENERGY STORAGE R & D/
FLYWHEELS/ BATTERIES/ PEAK LOAD MANAGEMENT/ PUMPED STORAGE/
COMPRESSED AIR/ THERMAL ENERGY STORAGE/ SUPERCONDUCTING
MAGNETS/ ECONOMICS/ ENERGY STORAGE FLYWHEELS/UTILITIES/OFF-
PEAK ENERGY/BATTERIES/PUMPED STORAGE/ COMPRESSED
AIR/THERMAL ENERGY/SUPER CONDUCTING MAGNETS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 182 TITLE.....: THREE MILE ISLAND NUCLEAR STATION,UNIT 2,RO INSPECTION
REPORT NO.75-01 AND CORRESPONDENCE
SUBTITLE.....: INSPECTION OF CONSTRUCTION ACTIVITIES AND RECORDS
AUTHORS.....: METROPOLITAN EDISON CO.
ORGANIZATION: METROPOLITAN EDISON CO.
ADDRESS.....: READING,PA.(USA)
SOURCE.....: DOCKET-50320--131
PUBL. DATE...: JAN 31 1975
PUBLISHER...: 31 JAN 1975

KEYWORDS.....: CONTAINMENT SPRAY SYSTEMS
/FLYWHEELS/INSPECTION/MODIFICATIONS/PUMPS/REACTOR
INTERNALS/RESTRAINTS/THREE MILE ISLAND-2 REACTOR/ULTRASONIC
TESTING/
- 183 TITLE.....: ANALYSIS OF HOMOPOLAR GENERATORS AND SUPERCONDUCTING
INDUCTIVE ENERGY STORAGE SYSTEMS AS POWER SUPPLIES FOR HIGH-
ENERGY,SPACE-BASED LASERS
AUTHORS.....: GILBERT,J.S./KERN,E.A.
ORGANIZATION: LOS ALAMOS SCIENTIFIC LAB.
ADDRESS.....: N.MEX.(USA)
SOURCE.....: LA--5837-MS
CONTRACT #...: W-7405-ENG-36
PUBL. DATE...: FEB 1975

CATEGORY.....: ENERGY SOURCES
KEYWORDS.....: ELECTRIC GENERATORS/ENERGY
STORAGE/FLYWHEELS/INDUCTION/LASERS/POWER
SUPPLIES/SUPERCONDUCTING MAGNETS/
- 184 TITLE.....: UTILITIES EYE LARGE-SCALE ENERGY STORAGE
AUTHORS.....: RICCI, L. J.

SOURCE.....: CHEMICAL ENGINEERING, FEB. 3, 1975, P. 24.
PUBL. DATE...: FEB 03 1975
TYPE.....: PERIODICAL

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 184 TITLE.....: UTILITIES EYE LARGE-SCALE ENERGY STORAGE (CONTD.)
KEYWORDS.....: UTILITIES/OFF-PEAK STORAGE/FLYWHEELS/BATTERIES/HYDROGEN
GENERATORS/SUPERCONDUCTING MAGNETS
- 185 TITLE.....: ENERGY STORAGE BY FLYWHEELS
AUTHORS.....: FULLMAN, R. L.
ORGANIZATION: GENERAL ELECTRIC CO.
ADDRESS.....: CORPORATE RESEARCH AND DEVELOPMENT, SCHENECTADY, N. Y.
SOURCE.....: REPORT NO. 75CRD051
PUBL. DATE...: APR 1975
TYPE.....: REPORT

KEYWORDS.....: FLYWHEELS/ENERGY STORAGE/FLYWHEEL DESIGN/ECONOMICS
- 186 TITLE.....: STORING ELECTRICAL ENERGY ON A LARGE SCALE
AUTHORS.....: GARDNER,G.C./HART,A.B./MOFFITT,R.D./WRIGHT,J
ORGANIZATION: CENTRAL ELECTRICITY RESEARCH LABS
ADDRESS.....: LEATHERHEAD,ENG.
SOURCE.....: CEGB RES./2/MAY 1975/12-20/
PUBL. DATE...: MAY 1975

KEYWORDS.....: AIR /COMPRESSION/COST/ECONOMICS/ELECTRIC BATTERIES/ELECTRIC
POWER/FEEDWATER HEATERS/FLYWHEELS/NUCLEAR POWER/NUCLEAR
POWER PLANTS/OFF-PEAK ENERGY STORAGE/OPERATION/PLANNING/
SUPERCONDUCTING MAGNETS/WATER RESERVOIRS/
- 187 TITLE.....: DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY
AUTHORS.....: EPRI
ORGANIZATION: ELECTRIC POWER RESEARCH INST.
ADDRESS.....: 3412 HILLVIEW AVE., PALO ALTO, CA. 94304
PUBL. DATE...: MAY 1975
TYPE.....: REPORT
PUBLISHER....: EPRI

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 187 TITLE.....: DIGEST OF CURRENT RESEARCH IN THE ELECTRIC UTILITY INDUSTRY (CONTD.)
KEYWORDS.....: AIR POLLUTION/ AQUACULTURE/ ELECTRIC BATTERIES/ ELECTRIC
POWER/ ELECTRIC-POWERED VEHICLES/ ENVIRONMENTAL EFFECTS/
FLYWHEELS/ FOSSIL FUELS/ FUEL CELLS/ GEOTHERMAL POWER
PLANTS/ HYDROELECTRIC POWER/ INFORMATION/
MAGNETOHYDRODYNAMICS/ NUCLEAR POWER/ POWER TRANSMISSION/
PUBLIC UTILITIES/ RESEARCH PROGRAMS/ SOLAR POWER PLANTS
- 188 TITLE.....: SUPERFLYWHEEL FOR STORING ENERGY FROM OTEC PLANTS
AUTHORS.....: RABENHORST, D. W. / DUGGER, G. L.
EDITOR.....: DUGGER, G. L.
ORGANIZATION: JOHNS HOPKINS UNIV.
ADDRESS.....: LAUREL, MD.
SOURCE.....: APL/JHU-SR-75-2. ALSO: CONF-750579. PROCEEDINGS, THIRD
WORKSHOP ON OCEAN THERMAL ENERGY CONVERSION (OTEC)
PUBL. DATE...: MAY 08 1975
TYPE.....: REPORT
CONFERENCE...: WORKSHOP ON OCEAN THERMAL ENERGY CONVERSION
LOCATION.....: HOUSTON, TEXAS
DATE.....: 8 MAY, 1975
KEYWORDS.....: DESIGN/ ENERGY STORAGE/ FEASIBILITY STUDIES/ FLYWHEELS/ OFF-
PEAK ENERGY STORAGE/ SOLAR SEA POWER PLANTS/ OTEC/ OCEAN
THERMAL ENERGY CONVERSION
- 189 TITLE.....: ENERGY STORAGE DEVICE
AUTHORS.....: TIN, W.C.
SOURCE.....: BRITISH PATENT 1,395,304. FILED DATE 28 JUL 1973.
PUBL. DATE...: MAY 21 1975
TYPE.....: PATENT
KEYWORDS.....: FLYWHEELS/ENERGY STORAGE/HYBRID
- 190 TITLE.....: ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS
AUTHORS.....: ZLOTNICK, M.
ORGANIZATION: ERDA

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 190 TITLE.....: ENERGY STORAGE FOR WIND ENERGY CONVERSION SYSTEMS (CONTD.)
SOURCE.....: PRESENTED AT ERDA/NSF 2ND WIND ENERGY CONVERSION SYSTEM
WORKSHOP, WASH. D.C.
PUBL. DATE...: JUN 09 1975
TYPE.....: TECHNICAL FEATURE
- KEYWORDS.....: WIND ENERGY/ ENERGY STORAGE/ FLYWHEELS/ COMPRESSED AIR/
PUMPED STORAGE/ BATTERIES/ CONF PAPER
- 191 TITLE.....: TECHNICAL ASSESSMENT OF ENERGY STORAGE TECHNOLOGIES
AUTHORS.....: SCHNEIDER, T. R.
ORGANIZATION: PUBLIC SERVICE ELECTRIC AND GAS CO.
ADDRESS.....: NEWARK,NJ
SOURCE.....: AM.NUCL.SOC.TRANS., P. 145
PUBL. DATE...: JUN 21 1975
CONFERENCE...: AMERICAN NUCLEAR SOCIETY 1975 ANNUAL MEETING
LOCATION.....: NEW ORLEANS,LA
DATE.....: 8 JUN 1975
- KEYWORDS.....: ENERGY STORAGE COMPARISON/PUMPED HYDRO/COMPRESSED AIR
TURBINE/ BATTERIES/FLYWHEEL/CHEMICAL/THERMAL/ECONOMICS
TECHNOLOGY
- 192 TITLE.....: FOSSIL FUEL AND ADVANCED SYSTEMS DIVISION.RESEARCH PROGRESS
REPORT FF-3
SUBTITLE.....: REVIEW OF MAJOR PROJECTS
AUTHORS.....: ELECTRIC POWER RESEARCH INST.
ORGANIZATION: ELECTRIC POWER RESEARCH INST.
ADDRESS.....: PALO ALTO,CALIF.(USA)
SOURCE.....: EPRI-FF--3
PUBL. DATE...: JUL 1975
TYPE.....: STAFF REPORTS
- KEYWORDS.....: COAL /COAL GASIFICATION/COAL LIQUEFACTION/COAL
MINING/COMBINED CYCLES/CONTROL/CORROSION/DESULFURIZATION/
ELECTRIC BATTERIES/ENERGY STORAGE/EROSION/FLUE
GAS/FLUIDIZED-BED COMBUSTION/FLYWHEELS/GAS TURBINES/
GEOTHERMAL ENERGY/METALS/MHD GENERATORS/NITROGEN
OXIDES/REMOVAL/ SCRUBBERS/SOLAR ENERGY/SULFUR OXIDES/
THERMONUCLEAR REACTORS/

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 193 TITLE.....: DEVELOPMENT OF HIGH-DENSITY INERTIAL-ENERGY STORAGE FINAL
REPORT
AUTHORS.....: GORDON, H. S.
SOURCE.....: (PB-245998/0; EPRI-269-1) AVAIL: NTIS HC \$6.00 CSCL 10C
PUBL. DATE...: JUL 1975
KEYWORDS.....: FLYWHEEL/FLYWHEEL DEVELOPMENT/FIBER COMPOSITES
- 194 TITLE.....: REPETITIVE PLASMA FOCUS POWERED BY A APPROX. 200 MJ
FLYWHEEL GENERATOR.
AUTHORS.....: NARDI, V.
ORGANIZATION: ARGONNE NATIONAL LAB.
ADDRESS.....: ARGONNE, ILL.
SOURCE.....: CONF-750723 PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON
RADIATION TEST FACILITIES FOR THE CTR SURFACE AND MATERIALS
PROGRAM. ALSO: ANL/CTR-75-4
PUBL. DATE...: JUL 15 1975
PUBLISHER....: ANL. ALSO: ERDA, DIV. OF CONTROLLED THERMONUCLEAR RESEARCH,
AND AVOGADRO ENERGY SYSTEMS, INC., JAMAICA, N.Y.
CONFERENCE...: INTERNATIONAL CONFERENCE ON RADIATION TEST FACILITIES FOR
THE CTR SURFACE AND MATERIALS PROGRAM
LOCATION.....: ARGONNE, ILL.
DATE.....: 15 JULY, 1975
KEYWORDS.....: DEUTERIUM/ ELECTRODES/ FLYWHEELS/ NEUTRON SOURCES/
PERFORMANCE/ PLASMA FOCUS DEVICES
- 195 TITLE.....: AC/DC POWER CONDITIONING AND CONTROL EQUIPMENT FOR ADVANCED
CONVERSION AND STORAGE TECHNOLOGY.
AUTHORS.....: WOOD, P. / PELLY, B. R.
ORGANIZATION: WESTINGHOUSE ELECTRIC CORP.
SOURCE.....: ELECTRIC POWER RESEARCH INST. REPORT 390-1-1
PUBL. DATE...: AUG 1975
TYPE.....: REPORT
KEYWORDS.....: UTILITIES/AC-DC POWER CONVERSION/CONTROL/ECONOMICS/ ENERGY
STORAGE/BATTERIES/INVERSION

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 196 TITLE.....: REACTOR COOLANT PUMP FLYWHEEL INTEGRITY
AUTHORS.....: NUCLEAR REGULATORY COMM.
ORGANIZATION: NUCLEAR REGULATORY COMMISSION, OFFICE OF STANDARDS
DEVELOPMENT
ADDRESS.....: WASHINGTON, D.C. (USA)
SOURCE.....: (REG G--1.14 (REV. 1) (8-75))
PUBL. DATE...: AUG 1975

KEYWORDS.....: FAILURES/FLYWHEELS/POWER REACTORS/PRIMARY COOLANT CIRCUITS/
PUMPS/REGULATORY GUIDES/
- 197 TITLE.....: POWER PLANT
AUTHORS.....: ARIGA, H.

SOURCE.....: US PATENT 3,898,794 FILED DATE 26 MAR 1973
PUBL. DATE...: AUG 12 1975
TYPE.....: PATENT
ASSIGNED.....: NISSAN MOTOR CO. LTD., JAPAN

KEYWORDS.....: VEHICLES/HYDROGEN PEROXIDE TURBINE/FLYWHEEL
- 198 TITLE.....: KINETIC ENERGY STORAGE OF OFF-PEAK ELECTRICITY
AUTHORS.....: SIMPSON, L. A. / OLDAKER, I. E. / STERMSCHEG, J.
ORGANIZATION: ATOMIC ENERGY OF CANADA LTD., WHITESHELL NUCLEAR RESEARCH
ESTABLISHMENT
ADDRESS.....: PINAWA, MANITOBA, CAN.
SOURCE.....: AECL-5116
PUBL. DATE...: SEP 1975
TYPE.....: REPORT
PUBLISHER....: AECL

KEYWORDS.....: COMPOSITE MATERIALS/ COST/ DESIGN/ ELECTRIC POWER/ ENERGY
LOSSES/ FLYWHEELS/ OFF-PEAK ENERGY STORAGE

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 199 TITLE.....: AN EVALUATION OF THE FUTURE ROLE OF STORAGE TECHNIQUES IN
ELECTRIC POWER TECHNOLOGY
AUTHORS.....: PEZDIRTZ, G. F.
ORGANIZATION: ERDA, DIV. OF CONSERVATION RESEARCH AND TECHNOLOGY.
SOURCE.....: PRESENTED AT INTL. ENERGY ENGINEERING CONGRESS, CHICAGO
PUBL. DATE...: NOV 04 1975
CONFERENCE...: INTL. ENERGY ENGINEERING CONGRESS, CHICAGO, ILL., SESSION
C9C
KEYWORDS.....: SOLAR ENERGY STORAGE/ BATTERIES/ FLYWHEELS/ PUMPED STORAGE/
FUEL CELLS/ COMPRESSED AIR/ THERMAL STORAGE/ AUTOMOBILE
ENERGY USAGE/ ENERGY, PRE-20TH CENTURY/ CONF PAPER
UTILITIES/ENERGY STORAGE/BATTERIES/FLYWHEEL/SOLAR
ENERGY/PUMPED STORAGE/COMPRESSED AIR/VEHICLES
- 200 TITLE.....: PROPOSED TFTR ELECTRICAL SYSTEM
AUTHORS.....: BRONNER, G. / MURRAY, J.
ORGANIZATION: PRINCETON UNIV., PLASMA PHYSICS LAB., N.J.
SOURCE.....: CONF-751125-91
PUBL. DATE...: NOV 17 1975
TYPE.....: PROCEEDINGS
CONFERENCE...: IEEE 6.SYMPOSIUM ON ENGINEERING PROBLEMS OF FUSION RESEARCH
LOCATION.....: SAN DIEGO, CA.
DATE.....: 17 NOV., 1975
KEYWORDS.....: ENERGY STORAGE/ FLYWHEELS/ POWER SUPPLIES/ POWER
TRANSMISSION/ RECTIFIERS/ TFTR DEVICE
- 201 TITLE.....: ECONOMIC AND TECHNICAL FEASIBILITY STUDY FOR ENERGY STORAGE
FLYWHEELS
AUTHORS.....: ROCKWELL INTERNATIONAL, SPACE DIV.
SOURCE.....: SD 75-SA-0166, DEC. 1975
PUBL. DATE...: DEC 1975

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 202 TITLE.....: FLYWHEELS - POWER ON THE FLY
AUTHORS.....: MECH. ENG.

SOURCE.....: MECH ENG 97:50 DECEMBER 1975
PUBL. DATE...: DEC 1975
- 203 TITLE.....: LLL PROGRAM FOR COMPOSITE FLYWHEEL
AUTHORS.....: CHIAO, T. T. / STONE, R. G.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550

SOURCE.....: UCRL-77567
PUBL. DATE...: DEC 15 1975
TYPE.....: REPORT
PUBLISHER....: LLL

CONFERENCE...: FLYWHEEL TECHNOLOGY SYMPOSIUM
LOCATION.....: BERKELEY, CA.
DATE.....: 10 NOV 1975

KEYWORDS.....: COMPOSITE MATERIALS/ ENERGY STORAGE/ FLYWHEELS/ MATERIALS/
RESEARCH PROGRAMS
- 204 TITLE.....: ENERGY STORAGE - FEASIBILITY STUDY OF AN EXPERIMENT INVOLV-
ING SOLAR ENERGY COLLECTION, ITS STORAGE BY A SUPER
FLYWHEEL, AND ELECTRIC POWER GENERATION.

AUTHORS.....: TATRY, B.

SOURCE.....: L'AERONAUTIQUE ET L'ASTRONAUTIQUE, NO. 56, 46-51.
PUBL. DATE...: 1976

KEYWORDS.....: FLYWHEEL/UTILITIES/ENERGY STORAGE/SOLAR
ENERGY/SUPERFLYWHEEL/ COMPOSITE MATERIALS
- 205 TITLE.....: WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE?
AUTHORS.....: BRAUN, C. / CHERNIAVSKY, E. A. / SALZANO, F. J.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

- 205 TITLE.....: WHEN DO ELECTRIC STORAGE DEVICES MAKE ECONOMIC SENSE? (CONTD.)
ORGANIZATION: BROOKHAVEN NATIONAL LABORATORY
ADDRESS.....: UPTON, N.Y.

SOURCE.....: (1, 2, WIN 1976)=(24)
PUBL. DATE...: 1976

KEYWORDS.....: PUMPED STORAGE/UTILITIES/HYDROGEN/MAGNETIC/COMPRESSED AIR/
FLYWHEELS/BATTERIES
- 206 TITLE.....: MECHANICAL CAPACITOR
AUTHORS.....: KIRK, JAMES A. / STUDER, PHILIP A. / EVANS, HAROLD E.

SOURCE.....: (NASA-TN-D-8185: G-7639) AVAIL: NTIS HC \$4.50 CSCL 10C
PUBL. DATE...: MAR 1976

KEYWORDS.....: FLYWHEELS/MECHANICAL CAPACITOR/ENERGY STORAGE/FLYWHEEL
DESIGN
- 207 TITLE.....: ASSESSMENT OF THE STATE-OF-THE-ART OF FEEDING WIND-
GENERATED ELECTRICITY INTO UTILITY POWER GRIDS
AUTHORS.....: REED, J. J.
ORGANIZATION: TETRA TECH INC.
ADDRESS.....: ARLINGTON, VA.

SOURCE.....: TETRAT-A-642-76-240
CONTRACT #...: N00014-76-C-0239
PUBL. DATE...: MAR 08 1976
TYPE.....: TECHNICAL REPT.

KEYWORDS.....: ELECTRIC GENERATORS/ WIND/ POWER DISTRIBUTION/ ENERGY
STORAGE/ TRANSMISSION LINES/ COMPRESSED AIR/ FLYWHEELS/
HYDROGEN/ ELECTRIC BATTERIES/ FUEL CELLS
- 208 TITLE.....: ENERGY STORAGE
AUTHORS.....: CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.
ORGANIZATION: PUBLIC SERVICE ELECTRIC AND GAS CO.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

III FLYWHEELS IN UTILITIES

208 TITLE.....: ENERGY STORAGE (CONTD.)
SOURCE.....: PRESENTED AT ENERGY TECHNOLOGY 3RD CONF, WASH DC, MAR 29-31,
1976.
PUBL. DATE...: MAR 29 1976
TYPE.....: TECHNICAL FEATURE

KEYWORDS.....: FLYWHEELS/ENERGY STORAGE/UTILITIES/ECONOMICS

209 TITLE.....: ENERGY ON CALL: A MORE EFFICIENT PEAKING SYSTEM WOULD
EXPLOIT THE ADVANTAGES OF ENERGY STORAGE, WHILE CONSERVING
CAPITAL AND RESOURCES

AUTHORS.....: CASAZZA, J. A. / SCHNEIDER, T. R. / SULZBERGER, V. T.

ORGANIZATION: PUBLIC SERVICE ELECTRIC AND GAS CO.
ADDRESS.....: NEWARK, N.J.

SOURCE.....: IEEE SPECTRUM 13, 6, JUN 1976, 45-47
PUBL. DATE...: JUN 1976
TYPE.....: JOURNAL ART.
PUBLISHER....: IEEE

KEYWORDS.....: ENERGY STORAGE/ECONOMICS/OFF-PEAK STORAGE

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

IV FLYWHEELS IN AIRCRAFT AND SPACECRAFT

- 210 TITLE.....: AN ELECTRO-MECHANICAL ENERGY STORAGE SYSTEM FOR SPACE APPLICATION
AUTHORS.....: ROES, J. B.
ORGANIZATION: GENERAL DYNAMICS CORP.
ADDRESS.....: SAN DIEGO, CA.
SOURCE.....: PROG. ASTRONAUT. AERONAUT. 3, 1961, 613-622 ENERGY CONVERSION FOR SPACE POWER
PUBL. DATE...: 1961
TYPE.....: JOURNAL BOOK (ACADEMIC PRESS)

KEYWORDS.....: BEARINGS/ DESIGN/ ELECTROMAGNETS/ ENERGY STORAGE/ FLYWHEELS/ INVERTERS/ LEVITATION/ RECTIFIERS/ SPACECRAFT POWER SUPPLIES/ SPECIFICATIONS/ TRANSFORMERS ENERGY STORAGE/FLYWHEELS/SPACECRAFT POWER SUPPLY/MAGNETICALLY SUSPENDED FLYWHEELS
- 211 TITLE.....: MAGNETIC BEARINGS FOR AEROSPACE APPLICATIONS
AUTHORS.....: EDGAR, R. F. / ET AL.

SOURCE.....: TDR 63-474, FOR WRIGHT PATTERSON AFB, OHIO, 1963.
PUBL. DATE...: 1963
TYPE.....: REPORT

KEYWORDS.....: BEARINGS/AEROSPACE VEHICLES/FRICTIONLESS SUPPORT/ MAGNETOHYDRODYNAMICS
- 212 TITLE.....: EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS FOR AIRCRAFT ACTUATION FUNCTIONS
AUTHORS.....: NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.

SOURCE.....: NA-66-1142-2, QUART TECH RPT NO 2, 1 OCT- 31 DEC 1966
CONTRACT #...: AF33(615)-5173
PUBL. DATE...: JAN 12 1967

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

IV FLYWHEELS IN AIRCRAFT AND SPACECRAFT

- 213 TITLE.....: EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS
FOR AIRCRAFT ACTUATION FUNCTIONS
AUTHORS.....: NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.
SOURCE.....: NA-66-1142-3, QUART TECH RPT NO 3, 1 JAN - 31 MAR 1967
CONTRACT #...: AF33(615)-5173
PUBL. DATE...: APR 10 1967
- 214 TITLE.....: EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS
FOR AIRCRAFT ACTUATION FUNCTIONS
AUTHORS.....: NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.
SOURCE.....: NA-66-1142-4, QUART TECH RPT NO 4, 1 PAR - 30 JUN 1967
CONTRACT #...: AF33(615)-5173
PUBL. DATE...: JUL 10 1967
- 215 TITLE.....: EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS
FOR AIRCRAFT ACTUATION FUNCTIONS
AUTHORS.....: NORTH AMERICAN AVIATION INC, LOS ANGELES DIV.
SOURCE.....: NA-66-1142-5, QUART TECH RPT NO 5, 1 JULY - 30 SEP 1967
CONTRACT #...: AF33(615)-5173
PUBL. DATE...: OCT 10 1967
- 216 TITLE.....: EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS
FOR AIRCRAFT ACTUATION FUNCTIONS
AUTHORS.....: HELSLEY, C. W. / CALL, B. J.
ORGANIZATION: NORTH AMERICAN ROCKWELL, LOS ANGELES DIV.
SOURCE.....: REPORT NO. NA-67-964, PREPARED FOR AIR FORCE SYSTEMS
COMMAND, WRIGHT-PATTERSON AFB, OHIO, DEC. 1967.
PUBL. DATE...: DEC 1967
TYPE.....: REPORT

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

IV FLYWHEELS IN AIRCRAFT AND SPACECRAFT

- 216 TITLE.....: EXPERIMENTAL DEMONSTRATION OF ENERGY STORAGE SUBSTATIONS (CONTD.)
KEYWORDS.....: FLYWHEELS/ENERGY STORAGE/UTILITIES/PEAK ENERGY DEMANDS
- 217 TITLE.....: WEIGHT IS SAVED WHEN FLYWHEEL ENERGY STORAGE UNIT
SUPPLEMENTS AIRCRAFT SECONDARY POWER SYSTEMS.
AUTHORS.....: HELSLEY, C. W.
SOURCE.....: SAE J. VOL 77, P 64, JAN 1969.
PUBL. DATE...: JAN 1969
- 218 TITLE.....: A GREASE-LUBRICATED HYDRODYNAMIC BEARING SYSTEM FOR A
SATELLITE FLYWHEEL
AUTHORS.....: REINHOUDT, J. P.
SOURCE.....: LUBRICATION ENGINEERING, MAR. 1970, P. 95.
PUBL. DATE...: MAR 1970
TYPE.....: JOURNAL
KEYWORDS.....: FLYWHEELS/POWER SUPPLY/SPACECRAFT
- 219 TITLE.....: SATELLITE FLYWHEEL
AUTHORS.....: BARWELL, L. D. G. / GOWARD, C. D. / KING, A. H. / MORTON D.
F.
ORGANIZATION: BRITISH AIRCRAFT CORP.
ADDRESS.....: STEVENAGE, ENGLAND
SOURCE.....: ESRO-CR-28
CONTRACT #...: ESTEC-568-68
PUBL. DATE...: MAR 1970
TYPE.....: FINAL REPORT
KEYWORDS.....: FLYWHEELS/SPACECRAFT/GAS BEARINGS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

IV FLYWHEELS IN AIRCRAFT AND SPACECRAFT

- 220 TITLE.....: A NEW TECHNICAL IDEA ON FLYWHEELS {NOUVELLE CONCEPTION
TECHNIQUE DES VOLANTS D'INERTIE}
AUTHORS.....: POUBEAU, P.
SOURCE.....: NASA-TT-F-13075, TRANS. INTO ENGLISH FROM NORD-AVIATION
REPORT NO. X.S./010/69 BY SCIENTIFIC TRANSLATION SERVICE,
SANTA BARBARA, CALIF
CONTRACT #...: NASW-2035
PUBL. DATE...: JUN 1970
KEYWORDS.....: FLYWHEEL/SATELLITES/FLYWHEEL SYSTEMS DESIGN
- 221 TITLE.....: SATELLITE FLYWHEEL
AUTHORS.....: BARWELL, L. D. G. / SWAIN, J.
ORGANIZATION: BRITISH AIRCRAFT CORP., GUIDED WEAPONS DIV.
ADDRESS.....: STEVENAGE, ENGLAND
SOURCE.....: ST-5139
CONTRACT #...: ESTEC-568-68-SL
PUBL. DATE...: DEC 1970
TYPE.....: FINAL REPORT
KEYWORDS.....: FLYWHEEL/SPACECRAFT/FLYWHEEL DESIGN/FLYWHEEL CONSTRUCTION/
HYDRODYNAMIC GAS BEARINGS
- 222 TITLE.....: THE DRALLRAD: A FLYWHEEL FOR THE STABILIZATION OF
SYNCHRONOUS SATELLITES
AUTHORS.....: WEHDE, HEINZ
ORGANIZATION: TELDIX LUFTFAHRT-AUSRUESTUNGS G.M.B.H.
ADDRESS.....: HEIDELBERG, WEST GERMANY
SOURCE.....: AGARD AVIONICS IN SPACECRAFT
PUBL. DATE...: SEP 1971
KEYWORDS.....: FLYWHEELS/SPACECRAFT/FLYWHEEL OPTIMIZATION/FLYWHEEL DESIGN

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

IV FLYWHEELS IN AIRCRAFT AND SPACECRAFT

- 223 TITLE.....: SUMMARY OF GAS BEARING APPLICATIONS IN THE FIELD OF SPACE
ELECTRIC POWER SYSTEMS
AUTHORS.....: DUNN, J. H. / REAM, L. W.
SOURCE.....: 7TH. INTERSOC. ENERGY CONVERSION ENG. CONF., 1972.
PUBL. DATE...: 1972
TYPE.....: CONFERENCE PROCEEDINGS
- 224 TITLE.....: APPLICATION OF ISOTENSOID FLYWHEELS TO SPACECRAFT ENERGY
AND ANGULAR MOMENTUM STORAGE
AUTHORS.....: ADAMS, L. R.
ORGANIZATION: ASTRO RESEARCH CORP.
ADDRESS.....: SANTA BARBARA, CALIF.
SOURCE.....: NASA-CR-1971; ARC-R-423
CONTRACT #...: NAS7-728
PUBL. DATE...: FEB 1972
TYPE.....: FINAL REPORT
KEYWORDS.....: FLYWHEELS/FLYWHEEL DESIGN/ISOTENSOID FLYWHEEL/FLYWHEEL
EVALUATION/CONTROL MOMENT GYROS
- 225 TITLE.....: QUALIFICATION TESTS ON REACTION FLYWHEELS SUPPORTED ON
GREASE-LUBRICATED BEARINGS
AUTHORS.....: BOS, J. G. G.
ORGANIZATION: PHILIPS GLOEILAMPENFABRIEKEN N. V.
ADDRESS.....: EINDHOVEN, NETHERLANDS
SOURCE.....: ESRO-CR-87
CONTRACT #...: ESTEC-1119/70
PUBL. DATE...: JUL 1972
KEYWORDS.....: FLYWHEELS/SPACECRAFT/FLYWHEELS TEMPERATURE DEPENDENCE/
FLYWHEELS- VIBRATION/FLYWHEELS-SHOCK

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

IV FLYWHEELS IN AIRCRAFT AND SPACECRAFT

- 226 TITLE.....: HIGH PERFORMANCE HELICOPTER HOIST PROGRAM
AUTHORS.....: LAWSON, L. J. / DUDDY, J. H. / GILBERT, R. R. / HELVEY, M.
R. / JACOBSEN, E. H. / RUTH, R. / WADA, W. T.
ORGANIZATION: LOCKHEED MISSILES AND SPACE CO., GROUND VEHICLE SYSTEMS
ADDRESS.....: SUNNYVALE, CALIF.
SOURCE.....: AD-751217; LMSC-D267477; LWL-CR-02M72
CONTRACT #...: DAAD05-72-C-0099
PUBL. DATE...: AUG 1972
TYPE.....: FINAL REPORT

KEYWORDS.....: FLYWHEELS/HELICOPTER/FLYWHEEL CONFIGURATIONS/FLYWHEEL
MATERIALS
- 227 TITLE.....: DYNAMICS OF A SATELLITE WITH A FLYWHEEL AND FLEXIBLE SOLAR
ARRAYS
AUTHORS.....: PFEIFFER, F. / POHL, A.
ORGANIZATION: MESSERSCHMITT-BOLKOW-BLOHM GMBH
ADDRESS.....: MUNICH, W. GERMANY
SOURCE.....: ASTRONAUTICAL RESEARCH (TO BE PUBLISHED)
PUBL. DATE...: 1973
PUBLISHER...: INTERNATIONAL ASTRONAUTICAL FEDERATION
CONFERENCE...: 24. IAF INTERNATIONAL ASTRONAUTICAL CONGRESS INTERNATIONAL
ASTRONAUTICAL FEDERATION, INTERNATIONAL ASTRONAUTICAL
CONGRESS, 24TH PAPER 87
LOCATION.....: BAKU, AZERBAIDZHAN SSR
DATE.....: 7-13 OCT 1973
KEYWORDS.....: FLYWHEELS/SATELLITES/SOLAR CELL ARRAYS/SPACECRAFT POWER
SUPPLIES/ FLYWHEELS/SATELLITES/SOLAR ARRAYS/CALCULATIONS
- 228 TITLE.....: CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT
CONTROL UNIT
AUTHORS.....: HAINES, J. E.
ORGANIZATION: HAWKER SIDDELEY DYNAMICS, LTD.
ADDRESS.....: STEVENAGE, ENGLAND
SOURCE.....: HSD-TN-3868; ESRO-CR(P)-340
CONTRACT #...: ESTEC-1522/71
PUBL. DATE...: 1973

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

IV FLYWHEELS IN AIRCRAFT AND SPACECRAFT

- 228 TITLE.....: CIRCUIT DESIGN REPORT FOR A MOMENTUM WHEEL MOTOR CURRENT (CONTD.)
KEYWORDS.....: FLYWHEEL/FLYWHEEL DESIGN/FLYWHEEL RELIABILITY/SPACECRAFT
- 229 TITLE.....: ENVIRONMENTAL TESTS ON DRALLRAD DR 20-6-ZKM
AUTHORS.....: SCHULZ, HANS HOLGER
ORGANIZATION: TELDIX LUFTFAHRT-AUSRUESTUNGS G.M.B.H.
SOURCE.....: ESRO-CR-96
CONTRACT #...: ESTEC-1370/71
PUBL. DATE...: APR 1973

KEYWORDS.....: FLYWHEELS/FLYWHEEL TESTING/SPACECRAFT
- 230 TITLE.....: FURTHER TESTING AND DESIGN IMPROVEMENT OF GREASE LUBRICATED
SPIRAL GROOVE BEARING MOMENTUM WHEEL
AUTHORS.....: BOLLEN, J. A. C.
ORGANIZATION: HOLLANDSE SIGNAALAPPARATEN B. V.
ADDRESS.....: HENGEL, NETHERLANDS
SOURCE.....: FINAL REPORT ESRO-CR(P)-544
PUBL. DATE...: 1974

KEYWORDS.....: FLYWHEELS/ENERGY STORAGE/GREASE BEARING FLYWHEEL/DESIGN AND
MANUFACTURE/FLYWHEEL TESTING
- 231 TITLE.....: INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY.
VOLUME 1: FEASIBILITY STUDIES
AUTHORS.....: NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.
ORGANIZATION: ROCKWELL INTERNATIONAL, SPACE DIV.
ADDRESS.....: DOWNEY, CALIF.
SOURCE.....: NASA-CR-2383; SD-73-SA-0101-1
CONTRACT #...: NAS1-11732
PUBL. DATE...: APR 1974

KEYWORDS.....: FLYWHEELS/ENERGY STORAGE/COST EFFECTIVENESS/SPACECRAFT/
FLYWHEEL ARRAY

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

IV FLYWHEELS IN AIRCRAFT AND SPACECRAFT

- 232 TITLE.....: INTEGRATED POWER/ATTITUDE CONTROL SYSTEM (IPACS) STUDY.
VOLUME 2: CONCEPTUAL DESIGNS
AUTHORS.....: NOTTI, J. E. / CORMACK, A. / SCHMILL, W. C.
SOURCE.....: NASA-CR-2384; SD-73-SA-0101-2-VOL-2
PUBL. DATE...: APR 1974
- 233 TITLE.....: DESIGN AND LUBRICATION OF BALL BEARING UNIT FOR FLYWHEELS
AUTHORS.....: AUER, WERNER
ORGANIZATION: TELDIX LUFTFAHRT-AUSRUESTUNGS G.M.B.H.
ADDRESS.....: HEIDELBERG, WEST GERMANY
PUBL. DATE...: APR 09 1974
CONFERENCE...: EUROPEAN SPACE TRIBOLOGY SYMP.
LOCATION.....: FRASCATI, ITALY
DATE.....: APRIL 9-11, 1974
- 234 TITLE.....: THERMAL VACUUM QUALIFICATION TESTS ON A TELDIX DOUBLE-
GIMBALLED MOMENTUM WHEEL
AUTHORS.....: TODD, M. J. / WILSON, N. G.
ORGANIZATION: NATIONAL CENTRE OF TRIBOLOGY
ADDRESS.....: RISLEY, ENGLAND
SOURCE.....: ESRO-EST-1; ESRO-CR(P)-566
CONTRACT #...: ESTEC-1560/72
PUBL. DATE...: AUG 1974
KEYWORDS.....: FLYWHEEL/SATELLITE/POWER SUPPLY/UTILITIES/FLYWHEEL TESTING/
SPACE CRAFT
- 235 TITLE.....: QUALIFICATION AND LIFE TESTING OF A BALL-BEARING FLYWHEEL
AUTHORS.....: TELDIX LUFTFAHRT-AUSRUESTUNGS G.M.B.H.
ORGANIZATION: TELDIX LUFTFAHRT-AUSRUESTUNGS G.M.B.H.
ADDRESS.....: HEIDELBERG, WEST GERMANY

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

IV FLYWHEELS IN AIRCRAFT AND SPACECRAFT

235 TITLE.....: QUALIFICATION AND LIFE TESTING OF A BALL-BEARING FLYWHEEL (CONTD.)
SOURCE.....: ESRO-CR(P)-549
CONTRACT #...: ESTEC-1701/72-AA
PUBL. DATE...: NOV 11 1974
TYPE.....: FINAL REPORT

KEYWORDS.....: FLYWHEELS/FLYWHEEL TESTING/LUBRICANT SYSTEMS

236 TITLE.....: APPLICATION SPIRAL-GROOVE BEARINGS ON SPACECRAFT
AUTHORS.....: VANDERWAL, U.
ORGANIZATION: HOLLANDSE SIGNAALAPPARATEN B. V.
ADDRESS.....: HENGELLO, NETHERLANDS
SOURCE.....: CONF-THE EUROPEAN SPACE TRIBOLOGY SYMP., FRASCATI, ITALY
PUBL. DATE...: APR 09 1975

KEYWORDS.....: GREASEBER/SPIRAL-GROOVE BEARING/TEMPERATURE
EFFECTS/FLYWHEELS

237 TITLE.....: STUDY OF DOUBLE GIMBALED MOMENTUM WHEELS IN THE ATTITUDE
AND ORBIT CONTROL SYSTEM OF A GEOSTATIONARY COMMUNICATION
SATELLITE.

AUTHORS.....: BOERSMA, G. / SONNENSCHNEIN, F. J.

SOURCE.....: CONTRACT NIVR-1765, (NLR-TR-75056-U) AVAIL NTIS HC \$4.50
PUBL. DATE...: APR 24 1975

KEYWORDS.....: FLYWHEELS/ATTITUDE CONTROL/SPACECRAFT

238 TITLE.....: MAGNETICALLY SUSPENDED LARGE MOMENTUM WHEEL
AUTHORS.....: SABNIS, A. V. / DENDY, J. B. / SCHMITT, F. M.

SOURCE.....: J. SPACECRAFT AND ROCKETS 12, 420 (JULY 1975)
PUBL. DATE...: JUL 1975

KEYWORDS.....: FLYWHEEL/FLYWHEEL TESTING/SPACECRAFT/MAGNETICALLY SUSPENDED
FLYWHEEL

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

IV FLYWHEELS IN AIRCRAFT AND SPACECRAFT

- 239 TITLE.....: DESIGN AND TEST OF A FLYWHEEL ENERGY STORAGE UNIT FOR
SPACECRAFT APPLICATION.
AUTHORS.....: CORMACK, A. / NOTTI, J. E. / RUIZ, M. L.
SOURCE.....: IECEC ,75 RECORD, P. 1275
PUBL. DATE...: AUG 18 1975
CONFERENCE...: INTERSOCIETY ENERGY CONVERSION AND ENGINEERING CONF., 10TH.
LOCATION.....: NEWARK, DEL.
DATE.....: AUGUST 18-22, 1975
KEYWORDS.....: ENERGY STORAGE
- 240 TITLE.....: DESIGN AND TESTING OF AN ENERGY FLYWHEEL FOR AN INTEGRATED
POWER/ATTITUDE CONTROL SYSTEM (IPACS)
AUTHORS.....: NOTTI, J. E. / CORMACK, A.
SOURCE.....: AIAA PAPER NO. 75-1107
PUBL. DATE...: AUG 20 1975
CONFERENCE...: AIAA GUIDANCE AND CONTROL CONFERENCE
LOCATION.....: BOSTON, MASS.
DATE.....: AUGUST 20-22, 1975
KEYWORDS.....: FLYWHEEL/SPACE CRAFT/POWER SUPPLY

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

V OVERVIEW OF ENERGY RESOURCES

- 241 TITLE.....: RESEARCH AND DEVELOPMENT PROGRAMS. QUARTERLY PROGRESS
REPORT, 1 JAN.--31 MAR. 1971
- AUTHORS.....: NOYES, C. F. / WALKER, R. E. / PIRKLE, J.C. / FRAZER, R. /
RUBINSTEIN, N.
- ORGANIZATION: JOHNS HOPKINS UNIV., APPLIED PHYSICS LAB.
ADDRESS.....: SILVER SPRINGS, MD.
- SOURCE.....: AD-735869
PUBL. DATE...: MAR 31 1971
TYPE.....: REPORT
- KEYWORDS.....: CARBON DIOXIDE LASERS/ CARBON MONOXIDE LASERS/ ENERGY
STORAGE/ FLYWHEELS/ MICROELECTRONICS/ RESEARCH PROGRAMS
-
- 242 TITLE.....: HEAT STORAGE USING ALKALI METAL SALTS, ALKALI EARTH SALTS,
IRON CHLORIDE, ZINC CHLORIDE, BORON OXIDE, AND EUTECTIC
FLUORIDE MIXTURES
- AUTHORS.....: SCHROEDER, J.
- SOURCE.....: CONFERENCE, SPEICHERSYSTEME FUR SEKUNDARENERGIE STUTGART,
GERMANY OCT. 2-3, 1974. VDI BER. 223, 67-72 (GER.)
PUBL. DATE...: 1974
PUBLISHER....: VDI (VER.DTSCH.ING.)BER. 223
- KEYWORDS.....: ENERGY STORAGE/LATENT HEAT/TRANSITION TEMPERATURE/HIGH
TEMPERATURE/SALTS/EUTECTIC/COMPARISONS
-
- 243 TITLE.....: ENERGY.VOLUME I.DEMANDS,RESOURCES,IMPACT,TECHNOLOGY,AND
POLICY
- AUTHORS.....: PENNER, S. S./ICERMAN, L.
- SOURCE.....: ISBN 0-201-05560-0 ISBN 0-201-05561-9 PBK
PUBL. DATE...: 1974
TYPE.....: BOOK COMPILATION OF LECTURE NOTES
PUBLISHER....: ADDISON-WESLEY PUBLISHING COMPANY, INC. READING, PA
- KEYWORDS.....: COAL/ENERGY CONVERSION/FISSION/FUSION/SOLAR-ENERGY/OIL
CONSUMPTION/RESOURCES/WORLD DEMAND/ESTIMATED
DEMAND/AVAILABILITY/ PRICING/ECONOMICS/HUBERT'S 1969
ESTIMATE/ALASKAN RESERVES/SHALE OIL/ HYDRO
THERMAL/GEOTHERMAL/TIDAL ENERGY/WIND ENERGY/RECYCLING
HAZARDS/ URBAN TRANSPORTATION

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

V OVERVIEW OF ENERGY RESOURCES

- 244 TITLE.....: GOVERNMENT-WIDE REPORT TO OFFICE ON MANAGEMENT AND BUDGET
ON ENERGY STORAGE R AND D PROGRAM STRATEGIES AND
IMPLEMENTATION PLANS
- AUTHORS.....: ERDA/DAT
- ORGANIZATION: USAEC DIVISION OF APPLIED TECHNOLOGY
ADDRESS.....: WASHINGTON, D.C.
- SOURCE.....: TID--26751
PUBL. DATE...: JUN 01 1974
- CATEGORY....: ADMINISTRATION ENERGY CONVERSION ENERGY SOURCES
- KEYWORDS....: BUDGETS/ELECTRIC BATTERIES/ELECTRIC POWER/ENERGY
STORAGE/FLYWHEELS/FUEL CONSUMPTION/FUELS/GOVERNMENT
POLICIES /HYDROELECTRIC
POWER/HYDROGEN/MANAGEMENT/PETROLEUM/POWER PLANTS/POWER
TRANSMISSION/PUBLIC UTILITIES/RESEARCH PROGRAMS /STORAGE/
- 245 TITLE.....: STORAGE OF HIGH-GRADE ENERGY
- AUTHORS.....: MCALLAN, J.V.
- ORGANIZATION: NATIONAL MEASUREMENT LAB.
ADDRESS.....: SYDNEY, AUSTRALIA
- SOURCE.....: SEARCH 5, 9, 418-423
PUBL. DATE...: SEP 1974
- KEYWORDS....: ELECTRIC BATTERIES / FLYWHEELS / HEAT STORAGE/HYDROGEN/OFF-
PEAK ENERGY STORAGE/PUMPED STORAGE/ REVIEWS/TIDAL POWER5/
- 246 TITLE.....: NINTH WORLD ENERGY CONFERENCE, BRIEF SUMMARY
- AUTHORS.....: LUCCHINI, A.P.
- SOURCE.....: REV. ELECTROTEC. 60, 6, NOV-DEC 1974
PUBL. DATE...: NOV 1974
- KEYWORDS....: EFFICIENCY/ ENERGY CONSUMPTION/ ENERGY SOURCES/ ENERGY
STORAGE/ FLYWHEELS/ FUEL CELLS/ GEOTHERMAL ENERGY
CONVERSION/ MHD GENERATORS/ SOLAR ENERGY CONVERSION

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

V OVERVIEW OF ENERGY RESOURCES

- 247 TITLE.....: ENERGY TECHNOLOGY II (NAVY APPLICATIONS)
AUTHORS.....: PETZRICK, P.A.
EDITOR.....: SULLIVAN, T.F.P. (ED.)
ORGANIZATION: GOVERNMENT INSTITUTES, INC.
ADDRESS.....: WASHINGTON, DC
SOURCE.....: ENERGY TECHNOLOGY II, PROCEEDINGS OF THE 2ND ENERGY
TECHNOLOGY CONFERENCE
PUBL. DATE...: 1975
CONFERENCE...: 2. ENERGY TECHNOLOGY CONFERENCE (2)=(2ND)
LOCATION.....: WASHINGTON, DC
DATE.....: 12 MAY 1975
KEYWORDS.....: AIRCRAFT / BUDGETS / COMPRESSED AIR/CRYOGENICS/DEMAND
FACTORS/ENERGY CONSERVATION/ENERGY POLICY/ENERGY SOURCES/
ENERGY STORAGE/FLYWHEELS/LOW TEMPERATURE/MILITARY
EQUIPMENT/RESEARCH PROGRAMS/SEAS/SHIPS/SOLAR ENERGY/ US
ERDA/VEHICLES/WIND POWER/ ENERGY STORAGE/NAVY/COMPRESSED
AIR/LOW TEMPERATURE THERMAL/ FLYWHEEL/SOLAR/WIND
POWER/OCEAN POWER.
- 248 TITLE.....: ENERGY-STORAGE SYSTEMS
AUTHORS.....: PENNER, S. S. / ICERMAN, L.
SOURCE.....: ENERGY VOL. II ,P211
PUBL. DATE...: 1975
TYPE.....: BOOK
PUBLISHER....: ADDISON-WESLEY PUBL. CO., READING, MA., 1975
KEYWORDS.....: CAPACITORS/ COMPRESSED AIR/ DESIGN/ ECONOMICS/ ELECTRIC
BATTERIES/ ENERGY STORAGE/ FLYWHEELS/ HEAT STORAGE/
LIQUEFIED NATURAL GAS/ NATURAL GAS/ PETROLEUM/ PROPULSION/
PUMPED STORAGE/ REVIEWS/ STORAGE/THERMAL ENERGY
STORAGE/MECHANICAL ENERGY STORAGE/ELECTRICAL-ENERGY
STORAGE/PUMPED-HYDRAULIC/COMPRESSED AIR/LIQUID
PETROLEUM/NATURAL GAS/
FLYWHEELS/ECONOMICS/BATTERIES/VEHICLES/UTILITIES
- 249 TITLE.....: WIND POWER
SUBTITLE.....: A SIGNIFICANT SOLAR ENERGY RESOURCE
AUTHORS.....: HERONEMUS, W.E.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

V OVERVIEW OF ENERGY RESOURCES

- 249 TITLE.....: WIND POWER (CONTD.)
ORGANIZATION: UNIV.OF MASSACHUSETTS
ADDRESS.....: AMHERST MASS

SOURCE.....: SPEECH AMERICAN CHEMICAL SOCIETY, APRIL 1975, PHILADELPHIA
PUBL. DATE...: JUN 1975
PUBLISHER....: AWARE 57

CATEGORY.....: POSSIBLE STORAGE SYSTEMS
KEYWORDS.....: WIND POWER/SOLAR ENERGY/FLYWHEEL/UTILITIES/ENERGY STORAGE
- 250 TITLE.....: MATERIALS REQUIREMENTS FOR ENERGY GENERATION, CONVERSION, AND STORAGE

AUTHORS.....: JAFFEE, R. I.

ORGANIZATION: ELECTRIC POWER RESEARCH INST.
ADDRESS.....: PALO ALTO, CA

SOURCE.....: AM.CERAM.SOC.BULL. 54 7 ,657
PUBL. DATE...: JUL 1975

CONFERENCE...: AMERICAN CERAMIC SOCIETY'S JOINT FALL MEETING OF THE ELECTRONICS DIVISION AND THE NATIONAL INSTITUTE OF CERAMIC ENGINEERS
LOCATION.....: DENVER, CO
DATE.....: 18 SEP 1974

KEYWORDS.....: AVAILABILITY/ELECTRIC BATTERIES/ENERGY CONVERSION/ENERGY SHORTAGES/ENERGY SOURCES/ENERGY STORAGE/ ENVIRONMENT / FLYWHEELS / GAS TURBINES/MAGNETOHYDRODYNAMICS/MANAGEMENT/MATERIALS/METALS/MINERALS/PERSONNEL/ RANKINE CYCLE/REFRACTORIES/STEAM GENERATORS/THERMAL EFFICIENCY/ ALTERNATIVE ENERGY SOURCES/OIL SHALE/GEOTHERMAL WELLS/SOLAR ENERGY/ENERGY CONSERVATION/ENERGY STORAGE/FLYWHEELS/BATTERIES
- 251 TITLE.....: ENERGY STORAGE

AUTHORS.....: KALHAMMER, F. R. / SCHNEIDER, T. R.

ORGANIZATION: ELECTRIC POWER RESEARCH INST., PALO ALTO, CALIFORNIA / PUBLIC SERVICE ELECTRIC AND GAS CO., NEWARK, N.J.

SOURCE.....: (311)=(311-43, ED. HOLLANDER, J.M.)
PUBL. DATE...: 1976
TYPE.....: SURVEY REPORT

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

V OVERVIEW OF ENERGY RESOURCES

- 251 TITLE.....: ENERGY STORAGE (CONTD.)
KEYWORDS.....: ENERGY STORAGE/HYDROELECTRIC/ELECTRIC VEHICLES/UTILITIES/
COMBUSTION TURBINES/TURBINES/BATTERIES/SPACE HEATING/OFF-
PEAK POWER/ SOLAR
POWER/ECONOMICS/TAXING/HYDROGEN/SUPERCONDUCTING MAGNETS
- 252 TITLE.....: ENERGY STORAGE
AUTHORS.....: AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.

SOURCE.....: PRESENTED AT AMER. NUCL. SOC. CONF. ON ENV. ASPECTS OF
NONCONVENTIONAL ENERGY SOURCES, DENVER, COL.
PUBL. DATE...: FEB 29 1976

CONFERENCE...: CONF. ON ENVIRONMENTAL ASPECTS OF NONCONVENTIONAL ENERGY
SOURCES, DENVER, COL.

KEYWORDS.....: ENERGY STORAGE/ HYDROGEN/ ENV IMPACT ASSESSMENT/ CONF
PAPER/ PUMPED STORAGE/ BATTERIES/ FLYWHEELS/ COMPRESSED
AIR/ SUPERCONDUCTING MAGNETS/ THERMAL STORAGE/ENERGY
STORAGE/ENVIRONMENT/UNCONVENTIONAL ENERGY RESOURCES/NOISE/
BATTERIES/GASEOUS STORAGE/PUMPED HYDROELECTRIC/COMPRESSED
AIR FLYWHEEL/ HYDROGEN/VEHICLES
- 253 TITLE.....: ENERGY AND TECHNOLOGY REVIEW (MONTHLY PROGRESS REPORT 6/76)
AUTHORS.....: SELDEN, R. W.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550

SOURCE.....: UCRL-52000-76-6
PUBL. DATE...: JUN 1976

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 254 TITLE.....: SOME INTERESTING ASPECTS OF GENERAL LINEAR VISCOELASTIC DEFORMATION
AUTHORS.....: CHRISTENSEN, R. M. / GOTTENBERG, W. G.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: TRANS. SOCIETY OF RHEOLOGY 7, 171 (1963).
PUBL. DATE...: 1963
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 255 TITLE.....: VIBRATION OF A 45-DEG. RIGHT TRIANGLE CANTILEVER PLATE BY A GRIDWORK METHOD.
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: AIAA JOURNAL 1, 1790 (1963).
PUBL. DATE...: 1963
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 256 TITLE.....: AN EXPERIMENT FOR DETERMINATION OF THE MECHANICAL PROPERTY IN SHEAR FOR A LINEAR ISOTROPIC VISCOELASTIC SOLID.
AUTHORS.....: CHRISTENSEN, R. M. / GOTTENBERG, W. G.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: INTERNATIONAL J. OF ENGINEERING SCIENCE 2, 45 (1964).
PUBL. DATE...: 1964
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 257 TITLE.....: THE DYNAMIC RESPONSE OF A SOLID, VISCOELASTIC SPHERE TO
TRANSLATIONAL AND ROTATIONAL EXCITATION.
AUTHORS.....: CHRISTENSEN, R. M. / GOTTENBERG, W. G.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: J. OF APPLIED MECHANICS 31, 273 (1964).
PUBL. DATE...: 1964
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 258 TITLE.....: A FRACTURE CRITERION FOR ORTHOTROPIC PLATES UNDER THE
INFLUENCE OF COMPRESSION AND SHEAR
AUTHORS.....: WU, E. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: DEPT. OF THEORETICAL AND APPLIED MECHANICS REPORT 283,
UNIVERSITY OF ILLINOIS (1965).
PUBL. DATE...: 1965
TYPE.....: REPORT

CATEGORY.....: MECHANICS
- 259 TITLE.....: CRACK EXTENSION IN FIBERGLASS-REINFORCED PLASTICS
AUTHORS.....: WU, E. M. / REUTER, R. C.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: DEPT. OF THEORETICAL AND APPLIED MECHANICS REPORT 275,
UNIVERSITY OF ILLINOIS (1965).
PUBL. DATE...: 1965
TYPE.....: REPORT

CATEGORY.....: MECHANICS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 260 TITLE.....: PREDICTION OF THE TRANSIENT RESPONSE OF A LINEAR
VISCOELASTIC SOLID.
AUTHORS.....: CHRISTENSEN, R. M. / GOTTENBERG, W. G.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: J. OF APPLIED MECHANICS 33, 449 (1966).
PUBL. DATE...: 1966
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 261 TITLE.....: DESIGN FOR COMMERCIAL FILAMENT WINDING
AUTHORS.....: CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: SOCIETY OF PLASTICS ENGINEERS JOURNAL, P. 43 (APRIL, 1966)
PUBL. DATE...: APR 1966
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/FILAMENT WINDING
- 262 TITLE.....: APPLICATION OF FRACTURE MECHANICS TO ANISOTROPIC PLATES
AUTHORS.....: WU, E. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: J. OF APPLIED MECHANICS, TRANSACTIONS OF ASME, 34E:4 (1967)
PUBL. DATE...: 1967
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 263 TITLE.....: APPLICATION OF THE METHOD OF TIME-DEPENDENT BOUNDARY
CONDITIONS IN LINEAR VISCOELASTICITY.
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: J. OF APPLIED MECHANICS 34, 503 (1967).
PUBL. DATE...: 1967
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 264 TITLE.....: LINEAR NON-ISOTHERMAL VISCOELASTIC SOLIDS
AUTHORS.....: CHRISTENSEN, R. M. / NAGHDI, P. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: ACTA MECHANICA 3, 1 (1967).
PUBL. DATE...: 1967
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 265 TITLE.....: THE TEMPERATURE EFFECT OF INTERNAL AND EXTERNAL PRESSURE OF
TWO ANGLE WOUND PIPE
AUTHORS.....: CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: THE SOCIETY OF THE PLASTICS INDUSTRY, INC./ SECTION 20-C
PUBL. DATE...: FEB 1967
TYPE.....: PROCEEDING

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/FILAMENT WINDING/HIGH TEMPERATURE

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 266 TITLE.....: FRACTURE MECHANICS OF ANISOTROPIC PLATES
AUTHORS.....: WU, E. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: COMPOSITE MATERIALS WORKSHOP, TECHNOMIC PUBLISHING CO.
PUBL. DATE...: 1968
TYPE.....: BOOK

CATEGORY.....: MECHANICS
- 267 TITLE.....: DISCONTINUOUS MODE OF CRACK EXTENSION IN UNIDIRECTIONAL
COMPOSITES
AUTHORS.....: WU, E. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: DEPT. OF THEORETICAL AND APPLIED MECHANICS REPORT 309,
UNIVERSITY OF ILLINOIS (1968).
PUBL. DATE...: 1968
TYPE.....: REPORT

CATEGORY.....: MECHANICS
- 268 TITLE.....: ON OBTAINING SOLUTIONS IN NONLINEAR VISCOELASTICITY.
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: J. OF APPLIED MECHANICS 35, 129 (1968).
PUBL. DATE...: 1968
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 269 TITLE.....: VARIATIONAL AND MINIMUM THEOREMS FOR THE LINEAR THEORY OF
VISCOELASTICITY
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: ZAMP 19, 233 (1968).
PUBL. DATE...: 1968
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 270 TITLE.....: OFF-AXIS TEST OF A COMPOSITE
AUTHORS.....: WU, E. M. / THOMAS, R. L.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: J. OF COMPOSITE MATERIALS, OCT. 1968.
PUBL. DATE...: OCT 1968
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 271 TITLE.....: CHARACTERIZATION OF ANISOTROPIC COMPOSITES
AUTHORS.....: HALPIN, J. C. / PAGANO / WHITNEY / WU, E. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: COMPOSITE MATERIALS: TESTING AND DESIGN, ASTM (1969).
PUBL. DATE...: 1969
TYPE.....: REPORT

CATEGORY.....: MECHANICS
- 272 TITLE.....: SOME UNIQUE CRACK PROPAGATION PHENOMENA IN UNIDIRECTIONAL
COMPOSITES AND THEIR MATHEMATICAL CHARACTERIZATION

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 272 TITLE.....: SOME UNIQUE CRACK PROPAGATION PHENOMENA IN UNIDIRECTIONAL (CONTD.)
AUTHORS.....: WU, E. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON STRUCTURES,
SOLID MECHANICS AND ENGINEERING DESIGN, SOUTHAMPTON, ENG.
PUBL. DATE...: 1969
TYPE.....: PROCEEDINGS

CATEGORY.....: MECHANICS
- 273 TITLE.....: INTERFACIAL FRACTURE PHENOMENA
AUTHORS.....: WU, E. M. / THOMAS, R. L.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: PROCEEDINGS OF THE FIFTH INTERNATIONAL CONGRESS ON RHEOLOGY,
KYOTO, JAPAN, 1969.
PUBL. DATE...: 1969
TYPE.....: PROCEEDINGS

CATEGORY.....: MECHANICS
- 274 TITLE.....: VISCOELASTIC PROPERTIES OF HETEROGENEOUS MEDIA
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: J. OF THE MECHANICS AND PHYSICS OF SOLIDS 17, 23 (1969).
PUBL. DATE...: 1969
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 275 TITLE.....: A RANDOM WALK MODEL IN RANDOM VIBRATION
AUTHORS.....: TOLAND, R. H. / YANG, C. Y.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 275 TITLE.....: A RANDOM WALK MODEL IN RANDOM VIBRATION (CONTD.)
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: PREPRINT 869, ASCE NATIONAL MEETING ON STRUCTURAL
ENGINEERING, LOUISVILLE, KY, APRIL 1969.
PUBL. DATE...: APR 1969
TYPE.....: PREPRINT

CATEGORY.....: MECHANICS
- 276 TITLE.....: EVALUATION OF HIGH-STRENGTH, HIGH-MODULUS BERYLLIUM OXIDE/
GLASS FIBER

AUTHORS.....: CHIAO, T. T./ LEWIS, A./KIMPLE, R. F.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCID-15593, (DEC., 196
PUBL. DATE...: DEC 1969
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/FIBER STRENGTH
- 277 TITLE.....: A TENSILE TEST METHOD FOR FIBERS

AUTHORS.....: CHIAO, T. T./MOORE, R. L.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: JOURNAL OF COMPOSITE MATERIALS, VOL. 4 P. 118, (JAN./ 1970)
PUBL. DATE...: JAN 1970
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/TENSILE STRENGTH/STRENGTH TESTING

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 278 TITLE.....: AXISYMMETRIC FILAMENTARY STRUCTURES
AUTHORS.....: FRASER, A. F. / PREISWERK, P. R. / BENTON, M. D. / BURG-
GRAF, O. R.

SOURCE.....: REPORT NO. NASA CR-1518, ASTRO RESEARCH CORP., SANTA
BARBARA, CA. APR. 1970
PUBL. DATE...: APR 1970
TYPE.....: REPORT
- 279 TITLE.....: A GENERAL THEORY OF STRENGTH FOR ANISOTROPIC MATERIALS
AUTHORS.....: TSAI, S. W. / WU, E. M.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: J. COMPOSITE MATERIALS 5, (1971).
PUBL. DATE...: 1971
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 280 TITLE.....: MEASUREMENT AND CONTROL OF DYNAMIC CRACKS IN COMPOSITES.
AUTHORS.....: BRISSEY, F. L. / WU, E. M.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: PROCEEDINGS OF ASME-SESA SYMPOSIUM ON EXPERIMENTAL
MECHANICS (1971).
PUBL. DATE...: 1971
TYPE.....: PROCEEDINGS

CATEGORY.....: MECHANICS
- 281 TITLE.....: FRACTURE CRITERIA FOR ORTHOTROPIC PLATE UNDER COMPRESSION
AND SHEAR
AUTHORS.....: WU, E. M.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 281 TITLE.....: FRACTURE CRITERIA FOR ORTHOTROPIC PLATE UNDER COMPRESSION (CONTD.)
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: PROCEEDINGS OF THE 12TH INTERNATIONAL CONGRESS OF APPLIED
MECHANICS (1971).
PUBL. DATE...: 1971
TYPE.....: PROCEEDINGS

CATEGORY.....: MECHANICS
- 282 TITLE.....: THEORY OF VISCOELASTICITY: AN INTRODUCTION
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: ACADEMIC PRESS, 1971.
PUBL. DATE...: 1971
TYPE.....: BOOK

CATEGORY.....: MECHANICS
- 283 TITLE.....: THE EFFECT OF SOLVENTS AND STRESS ON THE STRESS RUPTURE
LIFE OF EPOXY-GLASS COMPOSITES
AUTHORS.....: RUHMANN, D. C. / WU, E. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: J. AM. CHEM. SOC. 31, 1 (1971).
PUBL. DATE...: 1971
TYPE.....: JOURNAL

CATEGORY.....: COMPOSITE PROPERTIES
- 284 TITLE.....: STRESS-RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS
AUTHORS.....: CHIAO, T. T./MOORE, R. L.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 284 TITLE.....: STRESS-RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS (CONTD.)
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: JOURNAL COMPOSITES MATERIALS VOL. 5 P. 2 (JAN./ 1971)
PUBL. DATE...: JAN 1971
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/STRESS RUPTURE/MULTIFILAMENT
- 285 TITLE.....: STRAIN RATE EFFECT ON THE ULTIMATE TENSILE STRESS OF FIBER/
EPOXY STRANDS
AUTHORS.....: CHIAO, T. T./MOORE, R. L.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: JOURNAL COMPOSITE MATERIALS VOL. 5, P. 124, (JAN.,1971)
PUBL. DATE...: JAN 1971
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/STRAIN RATE EFFECT/UNIDIRECTIONAL
COMPOSITES
- 286 TITLE.....: COMPUTER AIDED MECHANICAL TESTING OF COMPOSITES
AUTHORS.....: WU, E. M. / JERINA, K. J.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: J. OF MATERIALS AND STANDARDS (FEB. 1971).
PUBL. DATE...: FEB 1971
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 287 TITLE.....: FRACTURE TOUGHNESS IN UNIDIRECTIONAL GLASS-REINFORCED
PLASTICS
AUTHORS.....: SANFORD, R. J. / STONESIFER, F. R.
SOURCE.....: J. COMPOSITE MATERIALS 5, 241 (1971).
PUBL. DATE...: APR 1971
TYPE.....: JOURNAL
- 288 TITLE.....: STUDY OF EPOXY RESINS FOR FIBER COMPOSITES
AUTHORS.....: RICHARDSON, J. / MOORE, R. L. / CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT UCID-15857, (JUNE, 1971)
PUBL. DATE...: JUN 1971
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/TENSILE STRENGTH/CRYOGENIC APPLICATIONS
- 289 TITLE.....: A RANDOM WALK MODEL FOR FIRST-PASSAGE PROBABILITY
AUTHORS.....: TOLAND, R. H. / YANG, C. Y.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: J. OF THE ENGINEERING MECHANICS DIV., ASCE 97, 791 (JUNE,
1971).
PUBL. DATE...: JUN 1971
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 290 TITLE.....: KINETIC FAILURE PROCESSES OF POLYMERS
AUTHORS.....: WU, E. M. / HALPIN, J. C.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 290 TITLE.....: KINETIC FAILURE PROCESSES OF POLYMERS (CONTD.)
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: AMERICAN PHYSICAL SOCIETY, DIV. OF HIGH POLYMER PHYSICS,
1972.
PUBL. DATE...: 1972

CATEGORY.....: MECHANICS
- 291 TITLE.....: STRENGTH TENSORS AND THEIR INVARIANTS - THEORY AND
EXPERIMENT

AUTHORS.....: WU, E. M.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: (BRITISH) J. OF PHYSICS D (1972).
PUBL. DATE...: 1972
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 292 TITLE.....: EFFECTIVE STIFFNESS OF RANDOMLY ORIENTED FIBRE COMPOSITES

AUTHORS.....: CHRISTENSEN, R. M. / WAALS, F. M.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: J. OF COMPOSITE MATERIALS 6, 518 (1972).
PUBL. DATE...: 1972
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 293 TITLE.....: RESTRICTIONS UPON VISCOELASTIC RELAXATION FUNCTIONS AND
COMPLEX MODULI.

AUTHORS.....: CHRISTENSEN, R. M.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 293 TITLE.....: RESTRICTIONS UPON VISCOELASTIC RELAXATION FUNCTIONS AND (CONTD.)
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: TRANS. SOCIETY OF RHEOLOGY 16, 603 (1972).
PUBL. DATE...: 1972
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 294 TITLE.....: EXPERIMENTAL INVESTIGATION OF FRACTURE IN AN ADVANCED FIBER
COMPOSITE

AUTHORS.....: KONISHI, H. J. / SWEDLOW, J. L. / CRUSE, T. A.

SOURCE.....: J. COMPOSITE MATERIALS, V. 6, 114 (1972).
PUBL. DATE...: 1972
TYPE.....: JOURNAL
- 295 TITLE.....: STRENGTH RETENTION OF S-GLASS/EPOXY COMPOSITES

AUTHORS.....: CHIAO, T. T./ MOORE, R. L.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: JOURNAL COMPOSITE MATERIALS, VOL. 6 P. 156, (JAN./ 1972)
PUBL. DATE...: JAN 1972
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/STRENGTH RETENTION
- 296 TITLE.....: FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS

AUTHORS.....: CHIAO, T. T./ CUMMINS, A. D./MOORE, R. L.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: COMPOSITES, P. 10 (JAN/FEB./ 1972)
PUBL. DATE...: JAN 1972

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 296 TITLE.....: FABRICATION AND TESTING OF EPOXY TENSILE SPECIMENS (CONTD.)
TYPE.....: JOURNAL
- CATEGORY.....: FIBER COMPOSITES
- KEYWORDS.....: FIBER COMPOSITES/TENSILE PROPERTIES/TESTING METHODS
- 297 TITLE.....: OPTIMAL EXPERIMENTAL MEASUREMENT OF ANISOTROPIC FAILURE
TENSORS
- AUTHORS.....: WU, E. M.
- ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
- SOURCE.....: J. OF COMPOSITE MATERIALS (JA. 1972).
PUBL. DATE...: JAN 1972
TYPE.....: JOURNAL
- CATEGORY.....: MECHANICS
- 298 TITLE.....: ANALYSIS OF STRESS-RUPTURE DATA FROM S-GLASS COMPOSITES
- AUTHORS.....: ROBINSON, E. Y./CHIAO, T. T.
- ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
- SOURCE.....: PROC. 27TH ANNUAL CONFERENCE, SPI REINFORCED PLASTIC/COMPOS
INSTITUTE, SECT. 9-E, FEB./ 1972.
PUBL. DATE...: FEB 1972
TYPE.....: PROCEEDINGS
- CATEGORY.....: FIBER COMPOSITES
- KEYWORDS.....: FIBER COMPOSITES/STRENGTH RETENTION/STRESS RUPTURE
- 299 TITLE.....: STRENGTH OF S-GLASS FIBER
- AUTHORS.....: CHIAO, T. T./MOORE, R. L.
- ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 299 TITLE.....: STRENGTH OF S-GLASS FIBER (CONTD.)
SOURCE.....: SAMPE QUARTERLY, VOL. 3, NO. 3, (APRIL, 1972)
PUBL. DATE...: APR 1972
TYPE.....: JOURNAL
- CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/STRENGTH/FILAMENT WINDING
- 300 TITLE.....: STRESS RUPTURE OF S-GLASS/EPOXY MULTIFILAMENT STRANDS: TIME
-BREAK-DATA.
- AUTHORS.....: CHIAO, T. T./MOORE, R. L.
- ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
- SOURCE.....: LAWRENCE LIVERMORE LAB. REPORT UCRL-51220 (MAY 2, 1972).
PUBL. DATE...: MAY 02 1972
TYPE.....: REPORT
- CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/STRESS RUPTURE/CALCULATIONS
- 301 TITLE.....: FAILURE MODES IN IMPACT LOADED COMPOSITE MATERIALS
- AUTHORS.....: TOLAND, R. H.
- ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
- SOURCE.....: AIME FAILURE MODES IN COMPOSITES SYMPOSIUM, BOSTON, MA, MAY
8-11, 1972.
PUBL. DATE...: MAY 11 1972
TYPE.....: PRESENTED PAPER
- CATEGORY.....: MECHANICS
- 302 TITLE.....: STRESS-RUPTURE OF SIMPLE S-GLASS/EPOXY COMPOSITES
- AUTHORS.....: CHIAO, T. T./ LEPPER, J. K./ HETHERINGTON, N.W./MOORE, R. L.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 302 TITLE.....: STRESS-RUPTURE OF SIMPLE S-GLASS/EPOXY COMPOSITES (CONTD.)
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: J. OF COMPOSITES MATERIALS, VOL. 6,P. 358 (JULY 1972)
PUBL. DATE...: JUL 1972
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/STRESS RUPTURE/CALCULATIONS
- 303 TITLE.....: NON-STATIONARY RANDOM VIBRATION OF NONLINEAR STRUCTURES
AUTHORS.....: TOLAND, R. H./ YANG, C. Y./ HSU, C. S.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: INTERNATIONAL J. OF NONLINEAR MECHANICS 7, NO. 9 (AUG.1972)
PUBL. DATE...: AUG 1972
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 304 TITLE.....: DESIGN AND ANALYSIS OF THE ATS GRAPHITE EPOXY SATELLITE
TRUSS
AUTHORS.....: BURNS, J. M./ TOLAND, R. H.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: CONFERENCE ON FIBROUS COMPOSITES IN FLIGHT VEHICLE DESIGN,
DAYTON, OH, SEPT. 26, 1972.
PUBL. DATE...: SEP 26 1972
TYPE.....: PRESENTED PAPER

CATEGORY.....: MECHANICS
- 305 TITLE.....: TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX
AUTHORS.....: CHIAO, T. T./MOORE, R. L.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 305 TITLE.....: TENSILE PROPERTIES OF PRD-49 FIBER IN EPOXY MATRIX (CONTD.)
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: J. OF COMPOSITE MATERIALS, VOL. 6, P. 547 (OCT./ 1972)
PUBL. DATE...: OCT 1972
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES

KEYWORDS.....: FIBER COMPOSITES/TENSILE STRENGTH/FILAMENT WINDING/
TEMPERATURE CHARACTERISTICS/STRAIN RATE
- 306 TITLE.....: ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES
AUTHORS.....: HAMSTAD, M. A.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-73763
PUBL. DATE...: OCT 1972
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
- 307 TITLE.....: ACOUSTIC EMISSION FROM FILAMENT-WOUND PRESSURE BOTTLES
AUTHORS.....: HAMSTAD, M. A.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: PROCEEDINGS OF THE 4TH NATIONAL SAMPE TECHNICAL CONFERENCE,
PALO ALTO, CA, OCT. 1972.
PUBL. DATE...: OCT 1972
TYPE.....: PROCEEDINGS

CATEGORY.....: COMPOSITE PRESSURE VESSEL TECHNOLOGY
- 308 TITLE.....: FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL
LOADING

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 308 TITLE.....: FIBER STRENGTH OF S-GLASS/EPOXY COMPOSITES UNDER BI-AXIAL (CONTD.)
AUTHORS.....: CHIAO, T. T./COMMINS, A.D.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: PROC.4TH NATIONAL SAMPE TECHNICAL CONFERENCE, OCT.17-19, 19
PALO ALTO, CA
PUBL. DATE...: OCT 17 1972
TYPE.....: PROCEEDINGS

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/UNIAXIAL TENSION/ FIBER PROPERTIES
- 309 TITLE.....: CHARACTERIZATION OF AN EPOXY SYSTEM FOR FILAMENT WINDING
AUTHORS.....: CHIAO, T. T./ALTHOUSE, L. P.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: PROC. 4TH NATIONAL SAMPE TECHNICAL CONFERENCE, OCT. 17-19,1
PALO ALTO, CA
PUBL. DATE...: OCT 17 1972
TYPE.....: PROCEEDING

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/TENSILE STRENGTH/CURE OF EPOXIES
- 310 TITLE.....: FAILURE CRITERIA AND FAILURE ANALYSIS OF COMPOSITE
STRUCTURES
AUTHORS.....: TOLAND, R. H./ VICARIO, A. A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: STRUCTURAL DESIGN AND ANALYSIS, VOL. 7, ED. BY C. C. CHAMIS
FOR THE COMPOSITE MATERIALS TREATISE ED. BY KROCK AND
BROUTMAN, ACADEMIC PRESS, 1973.
PUBL. DATE...: 1973
TYPE.....: BOOK CONTRIBUTION

CATEGORY.....: MECHANICS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 311 TITLE.....: DATA AVERAGING OF ANISOTROPIC MATERIAL CONSTANTS
AUTHORS.....: WU, E. M. / JERINA, K. L. / LAVENGOOD, R. E.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: ASTM STP 521, 1973.
PUBL. DATE...: 1973
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 312 TITLE.....: A CRITICAL TEST FOR A CLASS OF NONLINEAR CONSTITUTIVE
EQUATIONS
AUTHORS.....: CHRISTENSEN, R. M. / VAN ES, H. E.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: TRANS. SOCIETY OF RHEOLOGY 17, 325 (1973).
PUBL. DATE...: 1973
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 313 TITLE.....: A SPECIAL THEORY OF VISCOELASTIC FLUIDS FOR APPLICATION TO
SUSPENSION.
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: ACTA MECHANICA 16, 183 (1973).
PUBL. DATE...: 1973
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 314 TITLE.....: ATTENUATION OF HARMONIC WAVES IN LAYERED MEDIA
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: J. OF APPLIED MECHANICS 40, 155 (1973)
PUBL. DATE...: 1973
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 315 TITLE.....: THE EFFECT OF STRESS ON DIFFUSION IN COMPOSITES -
EXPERIMENTAL OBSERVATIONS.
AUTHORS.....: RUHMANN, D. C. / WU, E. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: AMERICAN CHEMICAL SOCIETY, DIV. OF POLYMER CHEMISTRY 14, NO.
1 (1973).
PUBL. DATE...: 1973
TYPE.....: JOURNAL

CATEGORY.....: COMPOSITE PROPERTIES
- 316 TITLE.....: ORGANIC FIBER/EPOXIDE COMPOSITES
AUTHORS.....: CHIAO, T. T./MOORE, R. L.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: COMPOSITES P.31, JAN./ 1973.
PUBL. DATE...: JAN 1973
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/PROPERTY EVALUATION

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 317 TITLE.....: FILAMENT-WOUND VESSEL FROM AN ORGANIC FIBER/EPOXY SYSTEM
AUTHORS.....: CHIAO, T. T./MARCON, M. A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: PROC. 28TH ANNUAL CONFERENCE, S.P.I. REINFORCED PLASTICS/
COMPOSITES INSTITUTE, WASHINGTON, D.C., SECT. 9-B. FEB./ 1973
PUBL. DATE...: FEB 1973
TYPE.....: PROCEEDING

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/SHEAR LOADING/STRESS
- 318 TITLE.....: STRESS-RUPTURE BEHAVIOR OF STRANDS OF AN ORGANIC
FIBER/EPOXY MATRIX
AUTHORS.....: CHIAO, T. T./ WELLS, J. E./ MOORE, R. L./HAMSTAD, M. A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: ASTM THIRD SYMPOSIUM ON COMPOSITE MATERIALS: TESTING AND
DESIGN, MARCH 21-22, 1973, WILLIAMSBURG, VIRGINIA, STP 546
PUBL. DATE...: MAR 21 1973
TYPE.....: PROCEEDINGS

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: STRESS RUPTURE/PRD-49-III EPOXY COMPOSITE/WEIBULL ANALYSIS
- 319 TITLE.....: INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE
MATERIALS
AUTHORS.....: TOLAND, R. H.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: ASTM SYMPOSIUM ON INSTRUMENTED IMPACT TESTING, PHILADELPHIA
PA, JUNE 1973. ALSO: ASTM STP 563.
PUBL. DATE...: JUN 1973
TYPE.....: PRESENTED PAPER

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 319 TITLE.....: INSTRUMENTED IMPACT TESTING OF CARBON FIBER COMPOSITE (CONTD.)
CATEGORY.....: MECHANICS
- 320 TITLE.....: ACOUSTIC EMISSION PRODUCED DURING BURST TESTS OF FILAMENT-
WOUND BOTTLES
AUTHORS.....: HAMSTAD, M. A./CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: JOURNAL OF COMPOSITE MATERIALS, VOL. 7, P. 320, JULY 1973.
PUBL. DATE...: JUL 1973
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/NOISE DURING RUPTURE
- 321 TITLE.....: GRAPHITE FIBER/EPOXY COMPOSITES
AUTHORS.....: CHIAO, T. T./ MOORE, R. L./WALKUP, C. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: SAMPE QUARTERLY, VOL. 4, NO. 4, JULY, 1973
PUBL. DATE...: JUL 1973
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/TENSILE STRENGTH/FIBER COMPARISON
- 322 TITLE.....: MATERIALS EVALUATION FOR 2XI1B MAGNET
AUTHORS.....: CHIAO, T. T./ WALKUP, C. M./NEWHEY, H. A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCID-16340.
PUBL. DATE...: SEP 10 1973
TYPE.....: REPORT

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 322 TITLE.....: MATERIALS EVALUATION FOR 2XIIB MAGNET (CONTD.)
CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/TENSILE STRENGTH/COMPRESSIVE STRENGTH
- 323 TITLE.....: FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER/EPOXY RESIN
SYSTEM
AUTHORS.....: CHIAO, T. T./ HAMSTAD, M. A./ MARCON, M. A./HANAFEE, JR.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-51466 NOV. 1973
PUBL. DATE...: NOV 1973
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/STRENGTH OF FIBERS/FIBER PROPERTIES
- 324 TITLE.....: STRESS-RUPTURE BEHAVIOR OF GRAPHITE FIBER/EPOXY STRANDS
AUTHORS.....: MOORE, R. L./ CHIAO, T. T./HAMSTAD, M. A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: FUKUGO ZAIRYO (COMPOSITE MATERIALS AND STRUCTURES) VOL.3,
NO. 1 ,P.19, 1974
PUBL. DATE...: 1974
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/LONG TERM PERFORMANCE
- 325 TITLE.....: STRAIN MEASUREMENT TECHNIQUES FOR FIBER MODULUS
DETERMINATION
AUTHORS.....: MOORE, R. L. / LEPPER, J. K.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

325 TITLE.....: STRAIN MEASUREMENT TECHNIQUES FOR FIBER MODULUS (CONTD.)
SOURCE.....: J. OF TESTING AND EVALUATION, VOL.2, NO.3, 1974
PUBL. DATE...: 1974
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES

KEYWORDS.....: FIBERS/TENSILE PROPERTIES/EPOXY RESINS/MODULUS OF
ELASTICITY/STRAIN MEASUREMENT

326 TITLE.....: PHENOMENOLOGICAL ANISOTROPIC FAILURE CRITERION
AUTHORS.....: WU, E. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: COMPOSITE MATERIALS, VOL. 2, CHAPT. 9, ACADEMIC PRESS.
PUBL. DATE...: 1974
TYPE.....: BOOK CHAPTER

CATEGORY.....: MECHANICS

327 TITLE.....: STRENGTH AND FRACTURE OF COMPOSITES
AUTHORS.....: WU, E. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: COMPOSITE MATERIALS, VOL. 5, CHAPT. 5, ACADEMIC PRESS.
PUBL. DATE...: 1974
TYPE.....: BOOK CHAPTER

CATEGORY.....: MECHANICS

328 TITLE.....: FAILURE CRITERIA TO FRACTURE MODE ANALYSIS OF COMPOSITE
MATERIALS

AUTHORS.....: WU, E. M.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 328 TITLE.....: FAILURE CRITERIA TO FRACTURE MODE ANALYSIS OF COMPOSITE (CONTD.)
SOURCE.....: PROCEEDINGS OF THE 39TH MEETING OF THE STRUCTURAL AND
MATERIALS PANEL, NATO, 1974.
PUBL. DATE...: 1974
TYPE.....: PROCEEDINGS

CATEGORY.....: MECHANICS
- 329 TITLE.....: PROBABILISTIC DESIGN OF COMPOSITE STRUCTURES
AUTHORS.....: MAXWELL, R./ TOLAND, R. H./ JOHNSON, C. W.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: ASTM STP 580, P. 35, 1974.
PUBL. DATE...: 1974
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 330 TITLE.....: LAMINATE STRENGTH - A DIRECT CHARACTERIZATION PROCEDURE
AUTHORS.....: WU, E. M. / SCHUEBLEIN, J. K.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: ASTM STP 546, 1974.
PUBL. DATE...: 1974
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 331 TITLE.....: WAVE PROPAGATION IN ELASTIC MEDIA WITH A PERIODIC ARRAY OF
DISCRETE INCLUSIONS
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: J. OF THE ACOUSTICAL SOCIETY OF AMERICA 55, 700 (1974).

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 331 TITLE.....: WAVE PROPAGATION IN ELASTIC MEDIA WITH A PERIODIC ARRAY OF (CONTD.)
PUBL. DATE...: 1974
TYPE.....: JOURNAL

CATEGORY.....: MECHANICS
- 332 TITLE.....: STRESS RUPTURE OF GLASS/EPOXY COMPOSITES - ENVIRONMENT AND
STRESS EFFECTS.

AUTHORS.....: WU, E. M. / RUHMANN, D. C.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: ASTM STP 580, P. 263, 1974.
PUBL. DATE...: 1974
TYPE.....: REPORT

CATEGORY.....: COMPOSITE PROPERTIES
- 333 TITLE.....: A PHYSICAL MECHANISM FOR THE EARLY ACOUSTIC EMISSION IN AN
ORGANIC FIBER/EPOXY PRESSURE VESSEL

AUTHORS.....: HAMSTAD, M. A./CHIAO, T. T.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: SAMPE QUARTERLY, VOL.5, NO.2, JAN./ 1974.
PUBL. DATE...: JAN 1974
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES

KEYWORDS.....: FIBER COMPOSITES/NOISE DURING RUPTURE/FAILURE DETECTION
- 334 TITLE.....: ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN
ORGANIC FIBER COMPOSITE

AUTHORS.....: HAMSTAD, M. A./CHIAO, T. T.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 334 TITLE.....: ACOUSTIC EMISSION FROM STRESS-RUPTURE AND FATIGUE OF AN (CONTD.)
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-74745, JAN. 1974
SUBMITTED TO COMPOSITES
PUBL. DATE...: JAN 1974
TYPE.....: REPORT
- CATEGORY.....: FIBER COMPOSITES
- KEYWORDS.....: COMPOSITE MATERIALS/ACOUSTICS/EMISSION/FIBER COMPOSITES/
FATIGUE TEST/CREEP RUPTURE TESTS
- 335 TITLE.....: A ROOM TEMPERATURE-CURABLE EPOXY FOR ADVANCED FIBER
COMPOSITES
- AUTHORS.....: CHIAO, T. T./MOORE, R. L.
- ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
- SOURCE.....: PROC. 29TH ANNUAL CONFERENCE, SPI REINFORCED PLASTICS
COMPOSITES INST., SECT. 16-8, FEB., 1974
PUBL. DATE...: FEB 1974
TYPE.....: PROCEEDINGS
- CATEGORY.....: FIBER COMPOSITES
- KEYWORDS.....: FIBER COMPOSITES/EASY HANDLING EPOXY
- 336 TITLE.....: ORGANIC FIBER/EPOXY PRESSURE VESSELS
- AUTHORS.....: CHIAO, T. T./HAMSTAD, M. A./MARCON, M. A.
- ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
- SOURCE.....: SAMPE QUARTERLY, VOL. 5, NO. 3, APRIL, 1974
PUBL. DATE...: APR 1974
TYPE.....: JOURNAL
- CATEGORY.....: FIBER COMPOSITES
- KEYWORDS.....: FIBER COMPOSITES/LOW TEMPERATURES/BURST PRESSURE

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 337 TITLE.....: TENSILE PROPERTIES OF AN ULTRA-HIGH-STRENGTH GRAPHITE FIBER
AN EPOXY MATRIX
AUTHORS.....: CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-75209, DEC.,1973
PRESENTED AT THE ASTM D-30 MEETING, LAS VEGAS, NEV. APRIL,1
PUBL. DATE...: APR 1974
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: COMPOSITE MATERIALS/CARBON FIBERS/EPOXY RESINS/FIBERS/
PERFORMANCE/ACOUSTICS/EMISSION
- 338 TITLE.....: POLYMER-LINED FILAMENT-WOUND PRESSURE VESSELS FOR NITROGEN
CONTAINMENT
AUTHORS.....: HAMSTAD, M. A./ CHIAO, T. T./JESSOP, E. S.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-75361, MAY, 1974
PRESENTED AT THE AIME MEETING, MAY 1974, PITTS./ PA.
PUBL. DATE...: MAY 1974
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/LOW TEMPERATURE/FATIGUE RESISTANCE
- 339 TITLE.....: FATIGUE PERFORMANCE OF METAL-LINED GRAPHITE/EPOXY VESSELS
AUTHORS.....: HAMSTAD, M. A./ CHIAO, T. T./PATTERSON, R.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-75759, JUNE, 1974
PUBL. DATE...: JUN 1974
TYPE.....: REPORT

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 339 TITLE.....: FATIGUE PERFORMANCE OF METAL-LINED GRAPHITE/EPOXY VESSELS (CONTD.)
CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/HIGH STRENGTH FIBERS
- 340 TITLE.....: AN EPOXY SYSTEM FOR FILAMENT WINDING
AUTHORS.....: CHIAO, T. T./ JESSOP, E. S./NEWHEY, H. A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-75866, AUG. 1, 1974 TO BE PUBLISHED IN SAMPE QUARTERLY
PUBL. DATE...: AUG 01 1974
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/EPOXY
- 341 TITLE.....: POLYIMIDES FOR FIBER COMPOSITES
AUTHORS.....: LORENSEN, L. E.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-75922, TO BE PUBLISHED IN SAMPE QUARTERLY
PUBL. DATE...: AUG 15 1974
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/POLYIMIDES/FIBERS
- 342 TITLE.....: STRESS-RUPTURE OF EPOXY-COATED BE-WIRE
AUTHORS.....: CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

342 TITLE.....: STRESS-RUPTURE OF EPOXY-COATED BE-WIRE (CONTD.)
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-75712, MAY 1974,
J. OF COMPOSITE MATERIALS, VOL.8, P.405, OCTOBER, 1974.
PUBL. DATE...: OCT 1974
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES

KEYWORDS.....: FIBER COMPOSITES/STRESS RUPTURE

343 TITLE.....: THE APPLICATION OF THREE DIMENSIONAL FINITE ELEMENT
ANALYSIS TO THE MICRO-MECHANICS OF FIBROUS COMPOSITE
MATERIALS

AUTHORS.....: LARDER, R. A.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: PUBLISHED IN PROCEEDINGS OF THE CUBE SYMPOSIUM, LAWRENCE
LIVERMORE LABORATORY OCTOBER 1974, P. 109

PUBL. DATE...: OCT 1974
TYPE.....: PROCEEDINGS

CATEGORY.....: FIBER COMPOSITES

344 TITLE.....: TENSILE PROPERTIES OF AN ULTRAHIGH-STRENGTH GRAPHITE FIBER
AN EPOXY MATRIX

AUTHORS.....: CHIAO, T. T./ HAMSTAD, M. A./JESSOP, E. S.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-75209 REV. 1
PUBL. DATE...: OCT 01 1974
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES

345 TITLE.....: A MODERATE-TEMPERATURE-CURABLE EPOXY FOR ADVANCED COMPOSITE

AUTHORS.....: CHIAO, T. T./ JESSOP, E. S./NEWHEY, H. A.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 345 TITLE.....: A MODERATE-TEMPERATURE-CURABLE EPOXY FOR ADVANCED COMPOSITE (CONTD.)
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-76126, PUBLISHED
SAMPE QUARTERLY 6 (3), APRIL 1975
PUBL. DATE...: OCT 23 1974
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/PROPERTIES OF EPOXY
- 346 TITLE.....: ACOUSTIC EMISSION USES IN RESEARCH AND DEVELOPMENT OF
COMPOSITE MATERIALS

AUTHORS.....: HAMSTAD, M. A.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-76257, PUBLISHED
AMER.SOC.OF NON-DESTRUCTIVE TESTING ACOUSTIC EMISSION
HANDBOOK
PUBL. DATE...: NOV 21 1974
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
- 347 TITLE.....: ENGINEERING DESIGN DATA FOR COMPOSITE MATERIALS

AUTHORS.....: CLEMENTS, L. L.

ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550

SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT UCRL-77568. 1975
FLYWHEEL TECHNOLOGY SYMPOSIUM, BERKELEY, CA 10-12 NOV. 1975
PUBL. DATE...: 1975
TYPE.....: REPORT

CATEGORY.....: COMPOSITE PROPERTIES

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 348 TITLE.....: TESTING OF FIBER COMPOSITE MATERIALS
AUTHORS.....: CHIAO, T. T./HAMSTAD, M. A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT UCRL-76365, KEY SPEECH
FOR 1975 INTL.CONF.ON COMPOSITE MATERIALS IN GENEVA,SWITZ./
AND BOSTON MASS.
PUBL. DATE...: JAN 09 1975
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
- 349 TITLE.....: STOCHASTIC FINITE ELEMENT SIMULATION OF THE NONLINEAR
STRUCTURAL RESPONSE OF FIBROUS COMPOSITE MATERIALS.
AUTHORS.....: LARDER, R. A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT UCRL-51717
PUBL. DATE...: JAN 15 1975
TYPE.....: THESIS

CATEGORY.....: FIBER COMPOSITES
- 350 TITLE.....: EVALUATION OF INTERLAMINAR SHEAR TEST FOR FIBER COMPOSITES
AUTHORS.....: CHIAO, T. T./MOORE, R. L.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-51766
PUBL. DATE...: MAR 05 1975
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 351 TITLE.....: HIGH PERFORMANCE VESSELS FROM AN AROMATIC POLYAMIDE FIBER/
EPOXY COMPOSITE
AUTHORS.....: CHIAO, T. T./HAMSTAD, M. A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-74780
PUBL. DATE...: APR 07 1975
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
- 352 TITLE.....: CHEMICAL CHARACTERIZATION OF A HIGH-PERFORMANCE ORGANIC
FIBER
AUTHORS.....: PENN, LYNN/ NEWWEY, H. A./CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT UCRL-76694
PUBL. DATE...: APR 09 1975
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
- 353 TITLE.....: KEVLAR/EPOXY AND KEVLAR/GRAPHITE/EPOXY COMPOSITES FOR THE C-
4 (TRIDENT) CHAMBER PROGRAM
AUTHORS.....: CLEMENTS, L. L./ MOORE, R. L./ MONES, E. T./CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCID-16747
PUBL. DATE...: APR 24 1975
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 354 TITLE.....: FATIGUE LIFE OF ORGANIC FIBER/EPOXY PRESSURE VESSELS
AUTHORS.....: HAMSTAD, M. A./ CHIAO, T. T./PATTERSON, R. G.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-76174 PUBLISHED
PROCEEDINGS 7TH NATIONAL SAMPE CONFERENCE OCT., 14-16, ALBUQ.
NM
PUBL. DATE...: MAY 01 1975
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
- 355 TITLE.....: SCREENING OF EPOXY SYSTEMS FOR HIGH-PERFORMANCE FILAMENT
WINDING APPLICATIONS
AUTHORS.....: CHIAO, T. T./ JESSOP, E. S./PENN, L. S.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: 7TH NATIONAL SAMPE CONFERENCE OCTOBER 14-16, 1975,
ALBUQUERQUE NEW MEXICO
PUBL. DATE...: MAY 19 1975
TYPE.....: PROCEEDING

CATEGORY.....: FIBER COMPOSITES
- 356 TITLE.....: A LONG POT LIFE EPOXY SYSTEM FOR FILAMENT WINDING
AUTHORS.....: PENN, L. S./CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-76918
PUBL. DATE...: JUN 01 1975
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

357 TITLE.....: PERFORMANCE OF FILAMENT-WOUND VESSELS FROM AN ORGANIC FIBER
IN SEVERAL EPOXY MATRICES
AUTHORS.....: CHIAO, T. T./ JESSOP, E. S./HAMSTAD, M. A.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-76913
PUBL. DATE...: JUN 11 1975
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES

358 TITLE.....: ELONGATED-RING SPECIMEN FOR TENSILE PROPERTIES OF FILAMENT-
WOUND COMPOSITES
AUTHORS.....: CLEMENTS, L. L./ MOORE, R. L./CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL 76917
PUBL. DATE...: JUN 13 1975
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES

359 TITLE.....: STRENGTH DISTRIBUTION OF SINGLE FILAMENTS
AUTHORS.....: LARDER, R. A./BEADLE, C. W.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: JOURNAL OF COMPOSITE MATERIALS 9, 241
PUBL. DATE...: JUL 1975
TYPE.....: JOURNAL

CATEGORY.....: FIBER COMPOSITES

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 360 TITLE.....: HOLOGRAPHIC EXAMINATION OF A COMPOSITE PRESSURE VESSEL
AUTHORS.....: MEYER, M.D./KATAYANAGI, T. E.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL 77300
PUBL. DATE...: SEP 10 1975
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
- 361 TITLE.....: STRENGTH RETENTION AND LIFE OF FIBER COMPOSITE MATERIALS
AUTHORS.....: CHIAO, T. T./ SHERRY, R. J.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-77225
PUBL. DATE...: SEP 19 1975
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
- 362 TITLE.....: FIBER COMPOSITES FOR ENERGY STORAGE FLYWHEELS.
AUTHORS.....: PENN, L. S./CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT, UCRL-76891 ALSO: PROC.
ANNU. CONF. REINF. PLAST. COMPOS. INST. SOC. PLAST. IND.
31, 12-F.
PUBL. DATE...: OCT 07 1975
TYPE.....: REPORT

CATEGORY.....: FIBER COMPOSITES
KEYWORDS.....: FIBER COMPOSITES/FLYWHEELS/FLYWHEEL MATERIALS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 363 TITLE.....: CHARACTERIZATION PROCEDURE FOR THERMOSETTING RESINS
AUTHORS.....: PENN, L. S. / NEWAY, H.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: LAWRENCE LIVERMORE LABORATORY REPORT UCID-16934, 10 OCTOBER 1975.
PUBL. DATE...: OCT 10 1975
TYPE.....: REPORT

CATEGORY.....: MATERIAL PROPERTIES
- 364 TITLE.....: FIBER COMPOSITE PROGRAM FOR FLYWHEEL APPLICATIONS. SECOND QUARTERLY PROGRESS REPORT.
AUTHORS.....: STONE, R. G. / CHIAO, T. T. / RINDE, J. A. / PENN, L. S. / CLEMENTS, L. L. / CHIAO, C. C.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCRL-50033-75
CONTRACT #...: W-7405-ENG-48
PUBL. DATE...: NOV 1975
TYPE.....: REPORT
PUBLISHER....: LLL

KEYWORDS.....: COMPOSITE MATERIALS/ ENERGY STORAGE/ FIBERS/ FLYWHEELS/ GLASS/ MATERIALS TESTING/ MECHANICAL PROPERTIES/ MEETINGS/ RESEARCH PROGRAMS/ STRESSES
- 365 TITLE.....: FIBER COMPOSITES HIGHLIGHTS
AUTHORS.....: CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCIR-942-75-2
PUBL. DATE...: NOV 14 1975

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 366 TITLE.....: LONG-TERM PERFORMANCE OF FIBER COMPOSITES
AUTHORS.....: CHIAO, C. C.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCRL-77547. ALSO: CONF-751133-1
CONTRACT #...: W-7405-ENG-48
PUBL. DATE...: DEC 01 1975
TYPE.....: REPORT
PUBLISHER....: LLL
CONFERENCE...: FLYWHEEL TECHNOLOGY SYMPOSIUM
LOCATION.....: BERKELEY, CA.
DATE.....: 10 NOV., 1975
KEYWORDS.....: COMPOSITE MATERIALS/ EPOXIDES/ FILAMENTS/ FLYWHEELS/ GLASS/
MATERIALS/ MECHANICAL PROPERTIES/ POLYMERS/ RUPTURES/
STRESSES
- 367 TITLE.....: FIBER COMPOSITES HIGHLIGHTS
AUTHORS.....: CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCIR-942-75-3
PUBL. DATE...: DEC 15 1975
- 368 TITLE.....: A THERMODYNAMIC CRITERION FOR THE GLASS-TRANSITION
TEMPERATURE.
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
PUBL. DATE...: 1976
CATEGORY.....: MECHANICS

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 369 TITLE.....: THE EFFECTIVE MODULI OF COMPOSITES CONTAINING RANDOMLY
ORIENTED FIBERS.
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
PUBL. DATE...: 1976
CATEGORY.....: MECHANICS
- 370 TITLE.....: WAVE PROPAGATION IN LAYERED ELASTIC MEDIA
AUTHORS.....: CHRISTENSEN, R. M.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: J. OF APPLIED MECHANICS
PUBL. DATE...: 1976
TYPE.....: JOURNAL
CATEGORY.....: MECHANICS
- 371 TITLE.....: COMPOSITE MATERIALS FOR ENERGY STORAGE FLYWHEELS
AUTHORS.....: CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCRL-78225-ABSTRACT
PUBL. DATE...: 1976
- 372 TITLE.....: CHARACTERIZATION OF A POLYAMIDE MATRIX FOR FIBER COMPOSITES
AUTHORS.....: PENN, L. S. / MONES, E. T. / CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: SAMPE QUARTERLY, JAN. 1976.

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

372 TITLE.....: CHARACTERIZATION OF A POLYAMIDE MATRIX FOR FIBER COMPOSITES (CONTD.)
PUBL. DATE...: JAN 1976
TYPE.....: JOURNAL

CATEGORY.....: MATERIAL PROPERTIES

373 TITLE.....: FIBER COMPOSITES HIGHLIGHTS
AUTHORS.....: CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCIR-942-75-4
PUBL. DATE...: JAN 15 1976

374 TITLE.....: FIBER COMPOSITES HIGHLIGHTS
AUTHORS.....: CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCIR-942-76-1
PUBL. DATE...: FEB 15 1976

375 TITLE.....: ORGANIC MATERIALS DIVISION QUARTERLY REPORT
AUTHORS.....: LEPPER, J. K.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCRL-50019-75-4
PUBL. DATE...: FEB 20 1976

376 TITLE.....: AN ACCELERATED TEST FOR PREDICTING THE LIFETIME OF ORGANIC
FIBER COMPOSITES

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 376 TITLE.....: AN ACCELERATED TEST FOR PREDICTING THE LIFETIME OF ORGANIC (CONTD.)
AUTHORS.....: CHIAO, C. C.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA 94550
SOURCE.....: 3RD BIENNIAL AIME SYMPOSIUM, LAS VEGAS, NEVADA, FEB. 22-26,
1976
PUBL. DATE...: FEB 22 1976
TYPE.....: PROCEEDINGS

CATEGORY.....: COMPOSITE PROPERTIES
- 377 TITLE.....: CHEMISTRY AND TECHNOLOGY OF HIGH STRENGTH POLYAMIDE FIBERS
AUTHORS.....: LARSEN, F. N.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
SOURCE.....: PRELIMINARY NOTES
PUBL. DATE...: MAR 10 1976
TYPE.....: PRELIMINARY NOTES
- 378 TITLE.....: FIBER COMPOSITES HIGHLIGHTS
AUTHORS.....: CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCIR-942-76-2
PUBL. DATE...: MAR 15 1976
- 379 TITLE.....: FIBER COMPOSITES HIGHLIGHTS
AUTHORS.....: CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCIR-942-76-5
PUBL. DATE...: MAY 1976

ERDA BIBLIOGRAPHY FOR FLYWHEEL ENERGY STORAGE SYSTEMS
MAIN LISTING, ORDERED CHRONOLOGICALLY WITHIN EACH CATEGORY

VI FIBER COMPOSITE PROPERTIES

- 380 TITLE.....: FIBER COMPOSITES HIGHLIGHTS
AUTHORS.....: CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCIR-942-76-4
PUBL. DATE...: MAY 15 1976
- 381 TITLE.....: ORGANIC MATERIALS DIVISION QUARTERLY REPORT
AUTHORS.....: LEPPER, J. K.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCRL-50019-76-1
PUBL. DATE...: MAY 28 1976
- 382 TITLE.....: FIBER COMPOSITES HIGHLIGHTS
AUTHORS.....: CHIAO, T. T.
ORGANIZATION: LAWRENCE LIVERMORE LABORATORY
ADDRESS.....: LIVERMORE, CA. 94550
SOURCE.....: UCIR-942-76-6-7
PUBL. DATE...: JUN 1976

NOTICE

This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the United States Energy Research & Development Administration, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately-owned rights.

NOTICE

Reference to a company or product name does not imply approval or recommendation of the product by the University of California or the U.S. Energy Research & Development Administration to the exclusion of others that may be suitable.

Printed in the United States of America

Available from

National Technical Information Service

U.S. Department of Commerce

5285 Port Royal Road

Springfield, VA 22161

Price: Printed Copy \$; Microfiche \$3.00

<u>Page Range</u>	<u>Domestic Price</u>	<u>Page Range</u>	<u>Domestic Price</u>
001-025	\$ 3.50	326-350	10.00
026-050	4.00	351-375	10.50
051-075	4.50	376-400	10.75
076-100	5.00	401-425	11.00
101-125	5.50	426-450	11.75
126-150	6.00	451-475	12.00
151-175	6.75	476-500	12.50
176-200	7.50	501-525	12.75
201-225	7.75	526-550	13.00
226-250	8.00	551-575	13.50
251-275	9.00	576-600	13.75
276-300	9.25	601-up	*
301-325	9.75		

*Add \$2.50 for each additional 100 page increment from 601 to 1,000 pages;
add \$4.50 for each additional 100 page increment over 1,000 pages.